

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090821\
 Data File : VL037580.D
 Acq On : 8 Sep 2021 20:31
 Operator : SY/AP
 Sample : M3663-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Quant Time: Sep 09 09:13:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1549545	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4592641	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4026496	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2843417	9.94	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

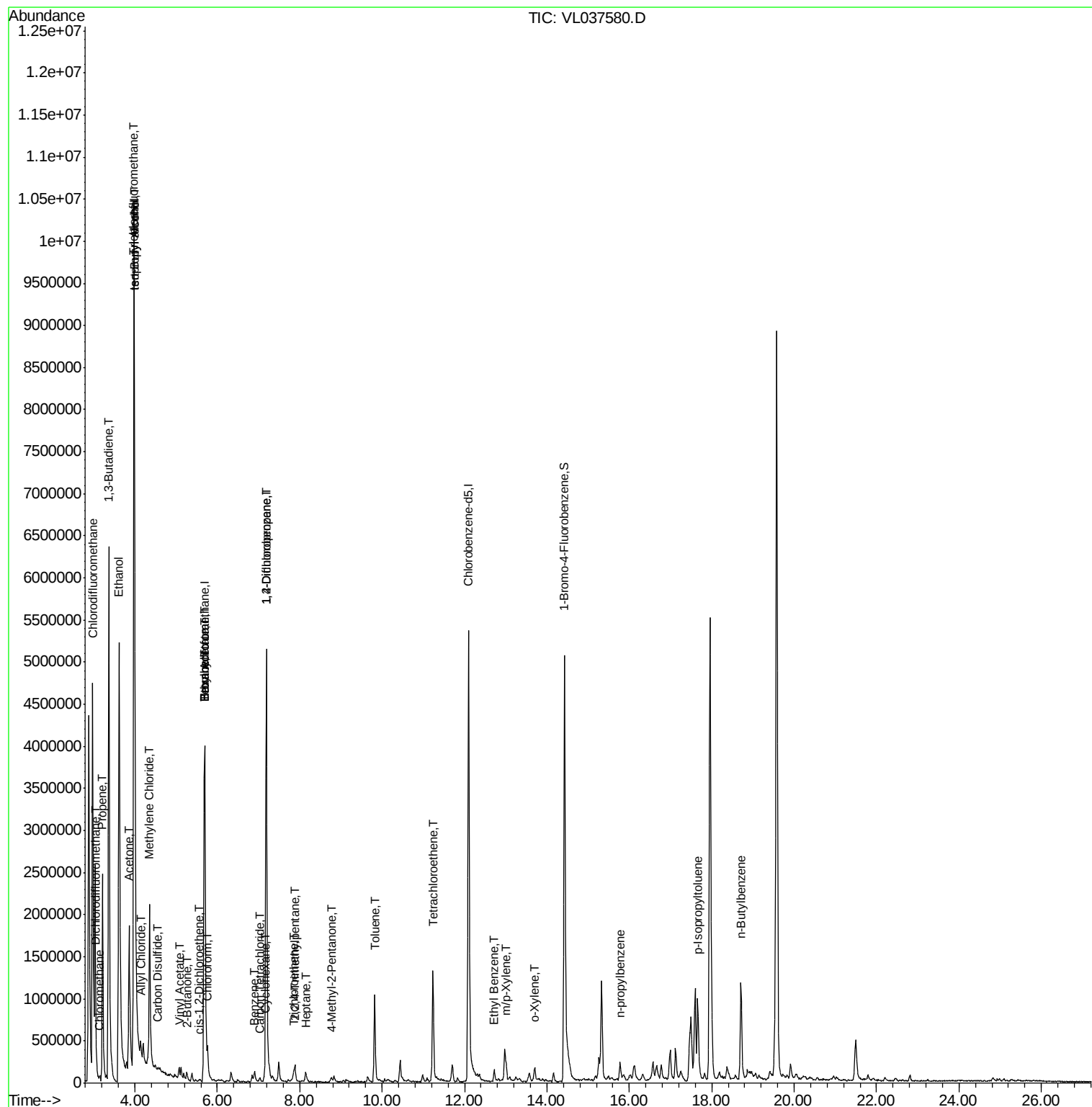
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	34922	0.140	ppbv	94
3) Chlorodifluoromethane	2.97	51	3976162	13.400	ppbv #	60
4) Chloromethane	3.14	50	25252	0.238	ppbv	90
9) Propene	3.21	41	832367	7.840	ppbv	94
10) Heptane	8.15	43	11993	0.049	ppbv #	26
11) Trichlorofluoromethane	3.96	101	71827	0.308	ppbv	93
13) Ethanol	3.61	45	7843111	759.197	ppbv	92
15) Acetone	3.86	43	2309389	14.644	ppbv	92
16) 1,3-Butadiene	3.36	39	997668	9.862	ppbv #	12
17) tert-Butyl alcohol	3.98	59	655678	4.551	ppbv	99
19) Isopropyl Alcohol	3.98	45	15682272	173.580	ppbv #	98
20) Methylene Chloride	4.35	84	819003	10.373	ppbv	92
21) Allyl Chloride	4.14	41	44599	0.348	ppbv #	23
23) Vinyl Acetate	5.09	43	7595	0.033	ppbv #	44
25) Ethyl Acetate	5.70	43	978069	2.443	ppbv #	84
26) Hexane	5.70	57	1112627	5.684	ppbv #	53
27) Carbon Disulfide	4.56	76	29916	0.171	ppbv #	49
29) Chloroform	5.76	83	206809	0.746	ppbv	98
30) Cyclohexane	7.15	84	9447	0.058	ppbv #	1
31) cis-1,2-Dichloroethene	5.56	61	8721	0.049	ppbv #	38
34) 2-Butanone	5.26	43	119936	0.640	ppbv	93
35) Carbon Tetrachloride	7.02	117	11032	0.041	ppbv #	82
36) Benzene	6.91	78	100686	0.261	ppbv #	90
38) Trichloroethene	7.85	130	9871	0.062	ppbv #	80
39) 1,2-Dichloropropane	7.19	63	1070203	7.214	ppbv #	28
41) Tetrahydrofuran	5.70	42	434330	4.808	ppbv #	50
44) 2,2,4-Trimethylpentane	7.88	57	147637	0.227	ppbv #	81
50) 4-Methyl-2-Pentanone	8.76	43	8784	0.036	ppbv #	1
52) Tetrachloroethene	11.23	164	357653	2.261	ppbv	96
53) Toluene	9.82	91	842657	1.911	ppbv	99
58) Ethyl Benzene	12.73	91	26427	0.047	ppbv	91
59) m/p-Xylene	13.01	91	82690	0.171	ppbv #	30
60) o-Xylene	13.71	91	42205	0.093	ppbv #	1
64) n-propylbenzene	15.78	120	5637	0.035	ppbv	82
69) p-Isopropyltoluene	17.66	119	792416	1.198	ppbv	97
70) n-Butylbenzene	18.71	91	292746	0.463	ppbv #	81

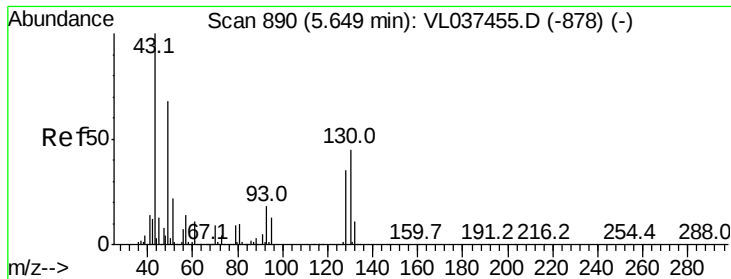
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.03 min

Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

Instrument :

MSVOA_L

ClientSampleID :

IA-2

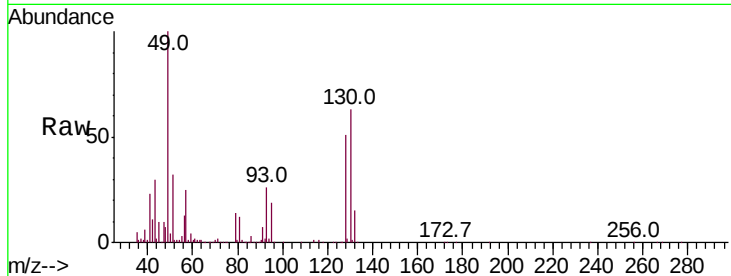
Tot Ion: 49 Resp: 1549545

Ion Ratio Lower Upper

49 100

128 54.6 27.5 82.4

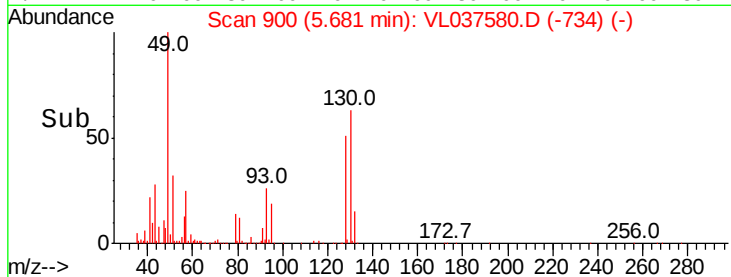
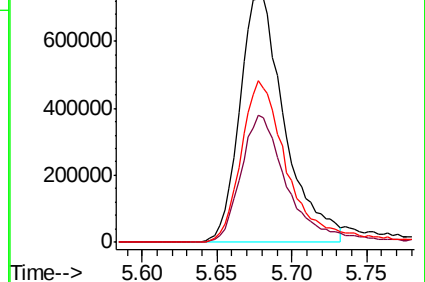
130 69.1 34.0 101.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.140 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037580.D

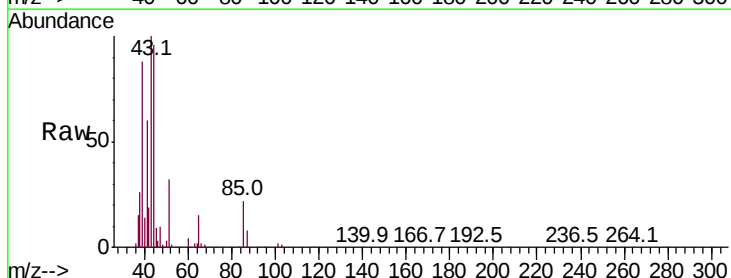
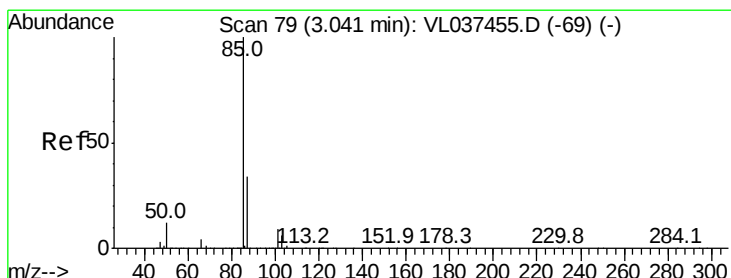
Acq: 8 Sep 2021 20:31

Tgt Ion: 85 Resp: 34922

Ion Ratio Lower Upper

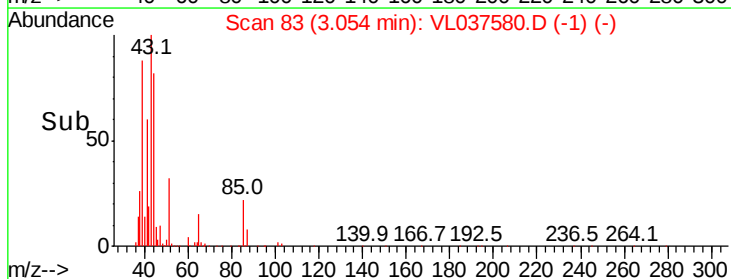
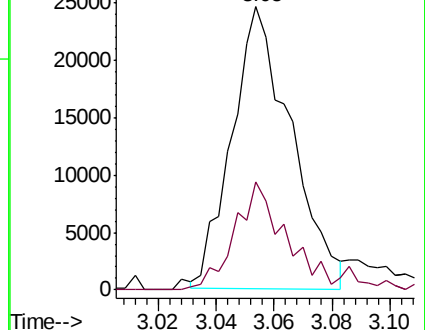
85 100

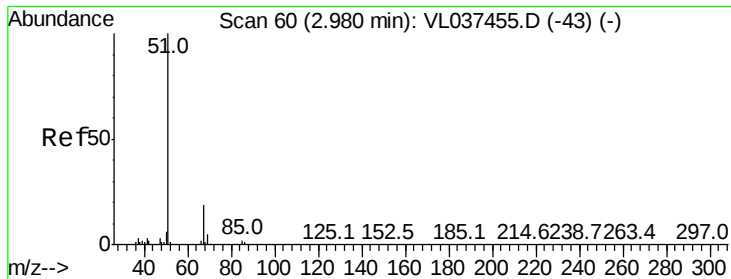
87 38.0 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

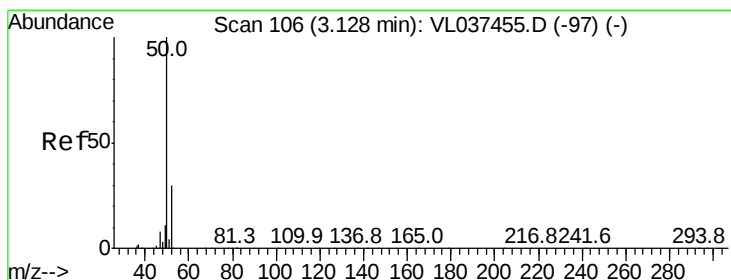
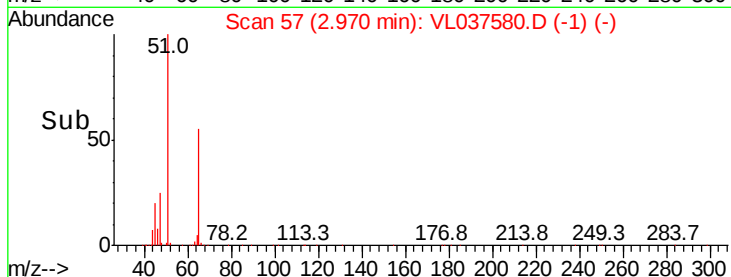
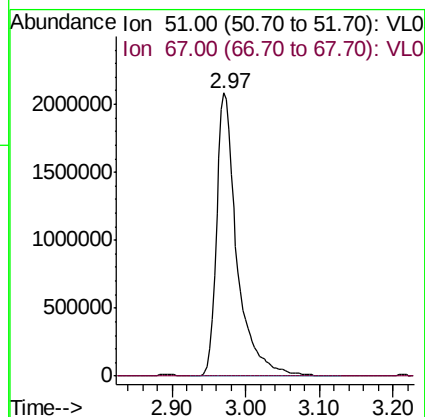
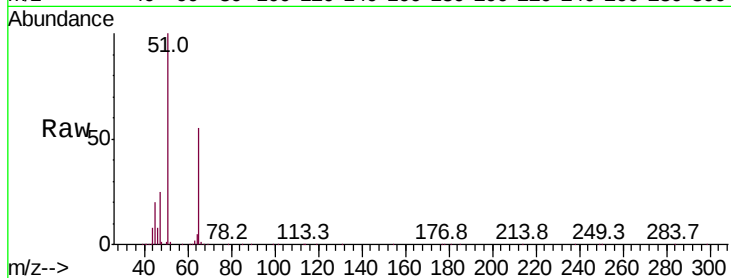




#3
 Chlorodifluoromethane
 Concen: 13.400 ppbv
 RT: 2.97 min Scan# 57
 Delta R.T. -0.01 min
 Lab File: VL037580.D
 Acq: 8 Sep 2021 20:31

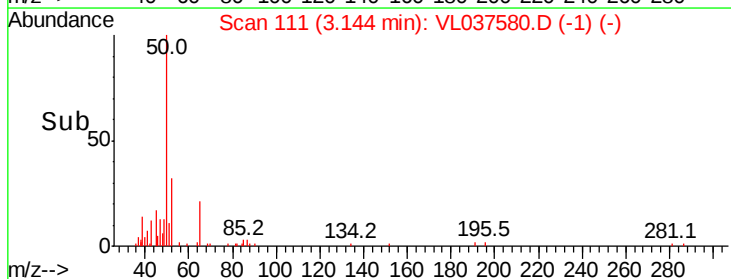
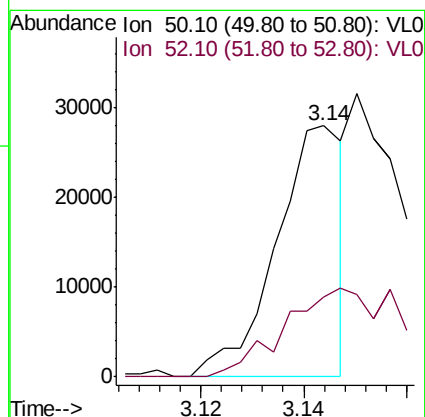
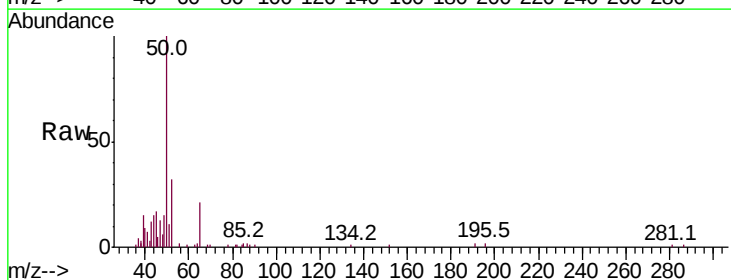
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

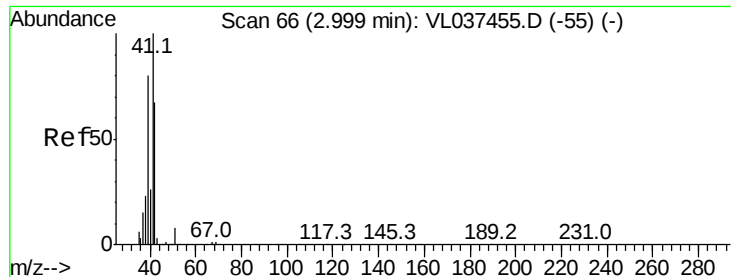
Tot Ion: 51 Resp: 3976162
 Ion Ratio Lower Upper
 51 100
 67 0.3 14.2 21.2#



#4
 Chloromethane
 Concen: 0.238 ppbv
 RT: 3.14 min Scan# 111
 Delta R.T. 0.02 min
 Lab File: VL037580.D
 Acq: 8 Sep 2021 20:31

Tgt Ion: 50 Resp: 25252
 Ion Ratio Lower Upper
 50 100
 52 35.6 24.0 36.0





#9

Propene

Concen: 7.840 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.21 min

Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

Instrument :

MSVOA_L

ClientSampleId :

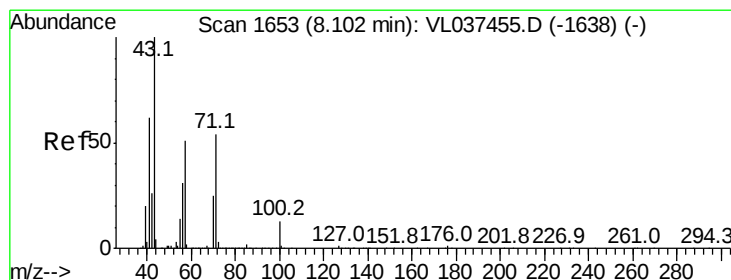
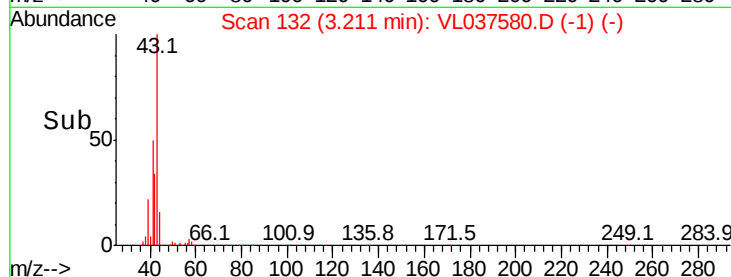
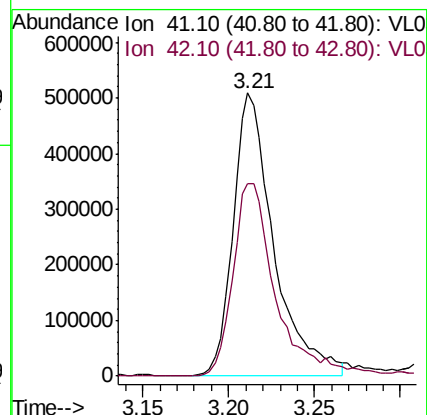
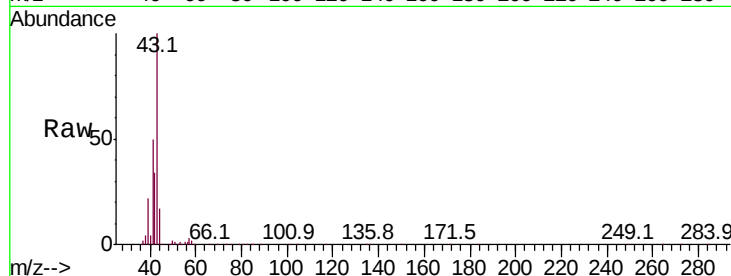
IA-2

Tot Ion: 41 Resp: 832367

Ion Ratio Lower Upper

41 100

42 72.2 53.7 80.5



#10

Heptane

Concen: 0.049 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.05 min

Lab File: VL037580.D

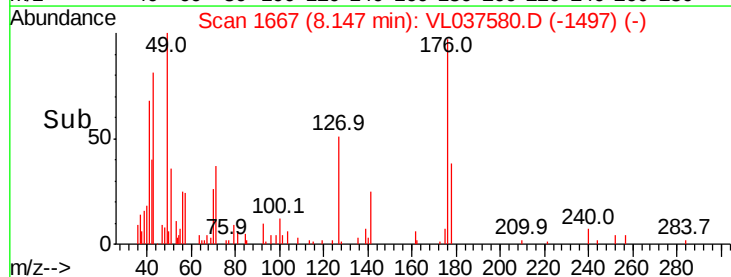
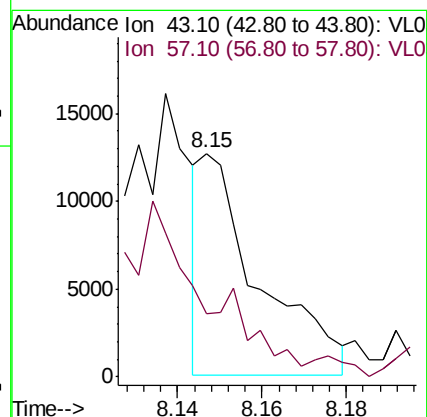
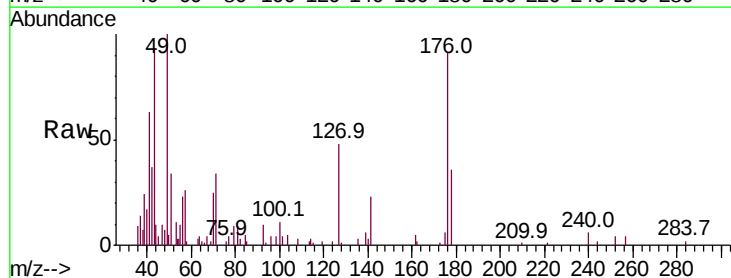
Acq: 8 Sep 2021 20:31

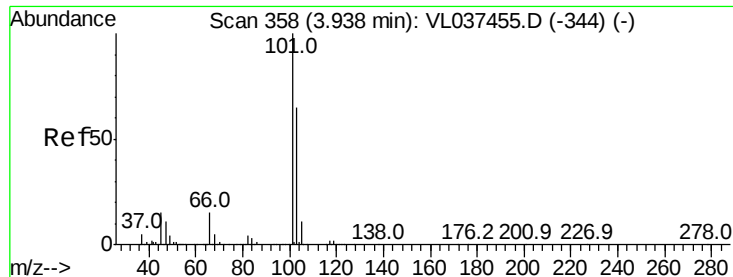
Tgt Ion: 43 Resp: 11993

Ion Ratio Lower Upper

43 100

57 0.0 41.0 61.6#

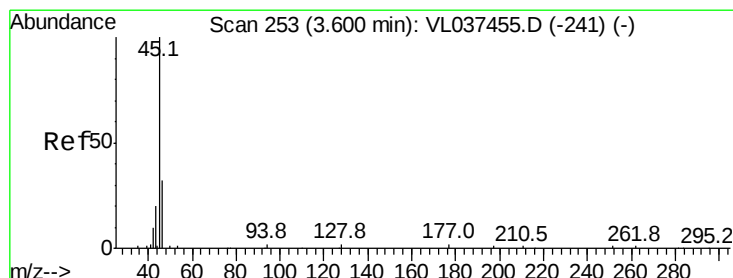
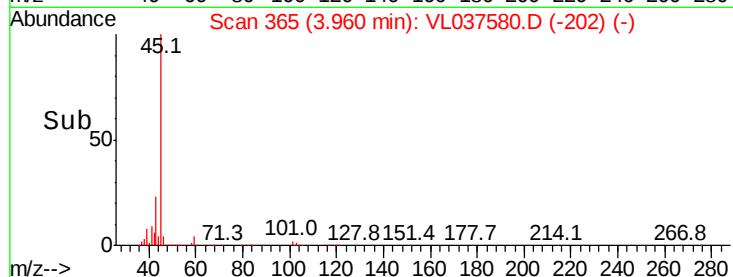
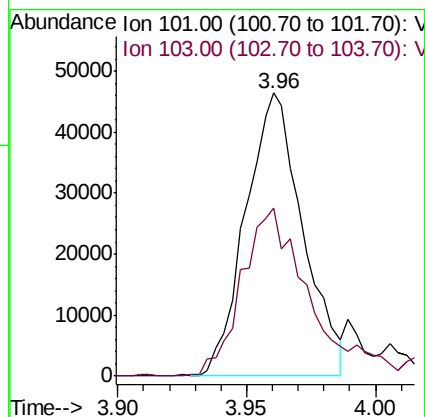
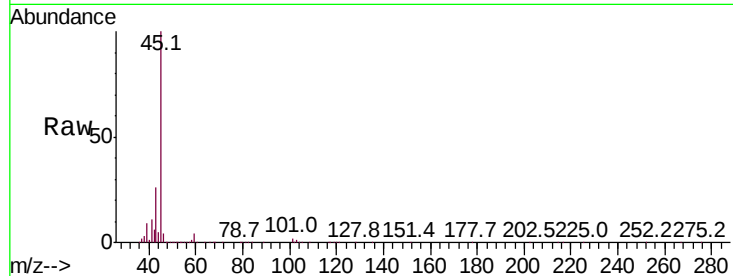




#11
 Trichlorofluoromethane
 Concen: 0.308 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.02 min
 Lab File: VL037580.D
 Acq: 8 Sep 2021 20:31

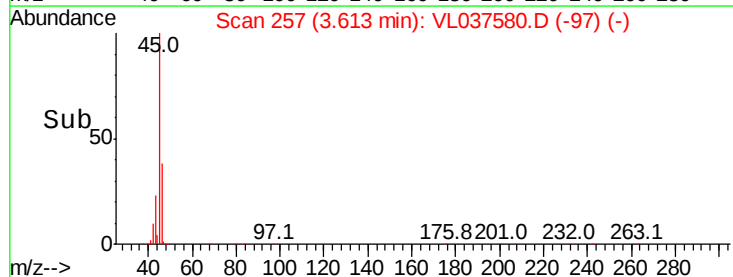
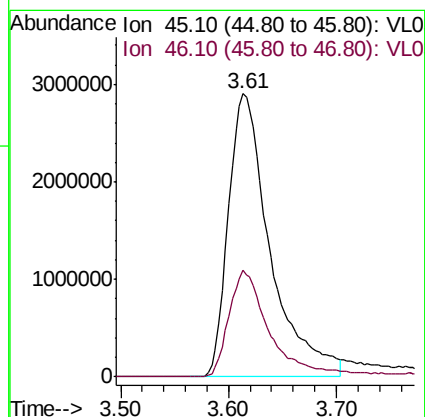
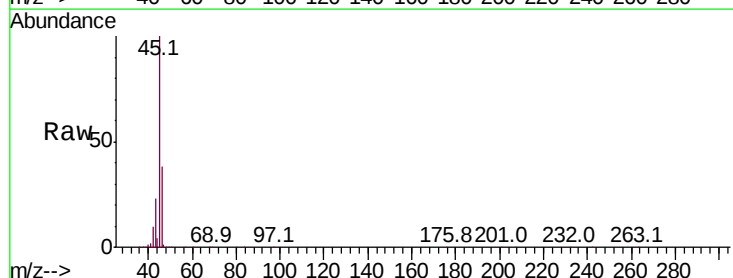
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

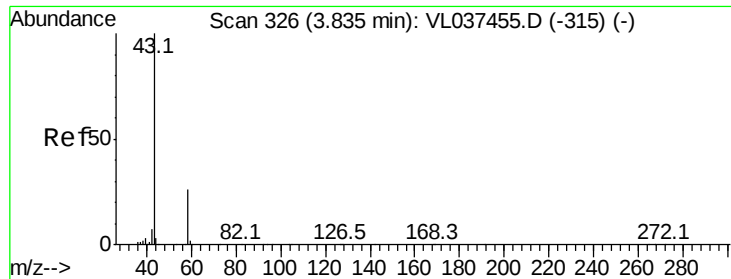
Tot Ion:101 Resp: 71827
 Ion Ratio Lower Upper
 101 100
 103 58.8 51.8 77.6



#13
 Ethanol
 Concen: 759.197 ppbv
 RT: 3.61 min Scan# 257
 Delta R.T. 0.01 min
 Lab File: VL037580.D
 Acq: 8 Sep 2021 20:31

Tgt Ion: 45 Resp: 7843111
 Ion Ratio Lower Upper
 45 100
 46 40.2 14.1 56.5





#15

Acetone

Concen: 14.644 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

Instrument :

MSVOA_L

ClientSampleId :

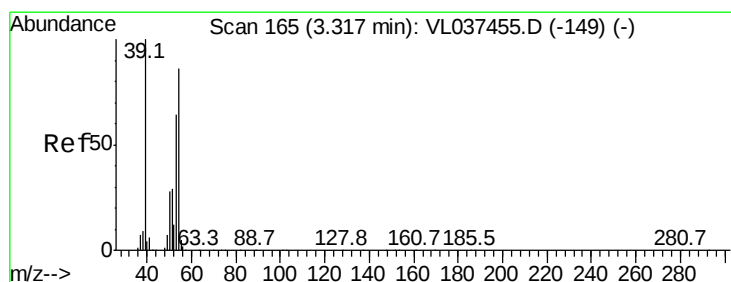
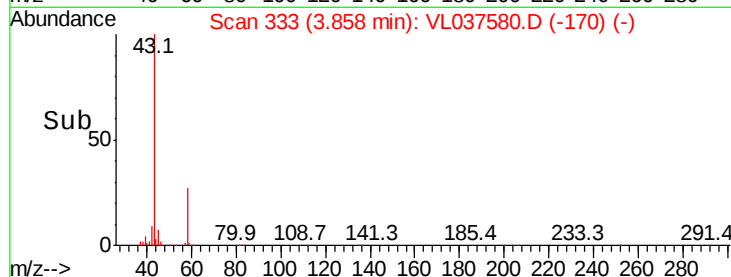
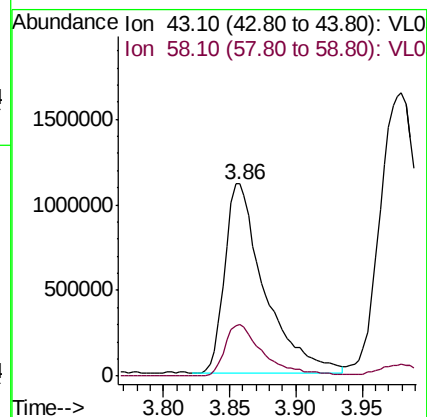
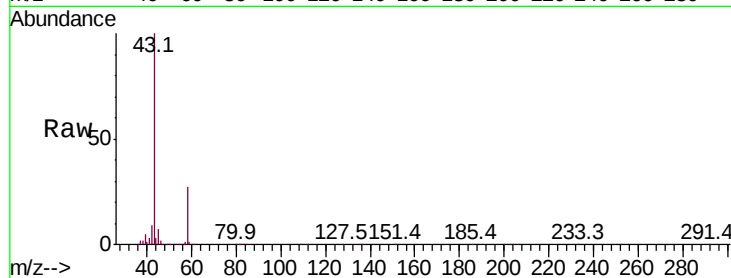
IA-2

Tot Ion: 43 Resp: 2309389

Ion Ratio Lower Upper

43 100

58 26.8 24.8 37.2



#16

1,3-Butadiene

Concen: 9.862 ppbv

RT: 3.36 min Scan# 179

Delta R.T. 0.05 min

Lab File: VL037580.D

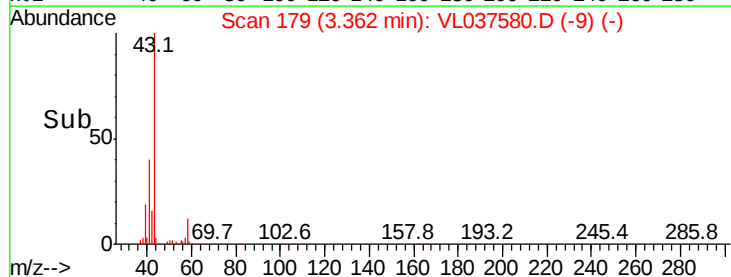
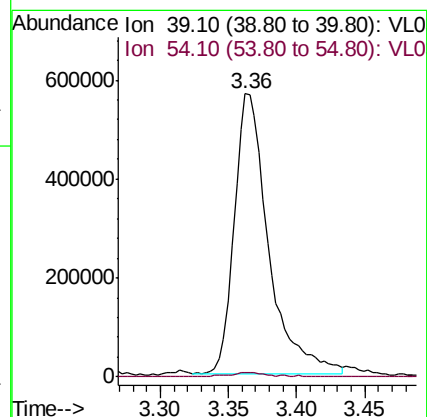
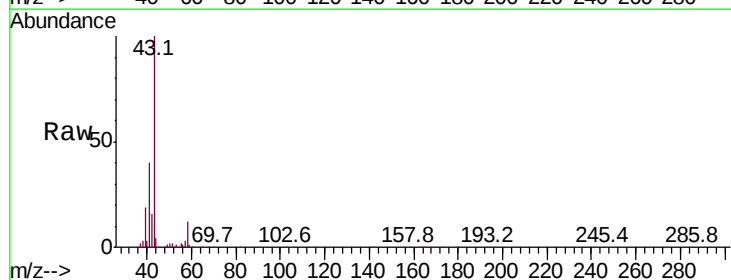
Acq: 8 Sep 2021 20:31

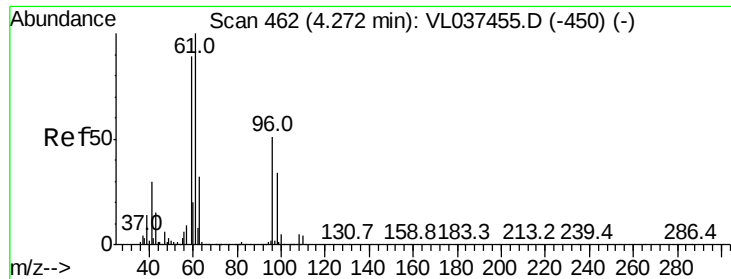
Tgt Ion: 39 Resp: 997668

Ion Ratio Lower Upper

39 100

54 2.3 63.7 95.5#





#17

tert-Butyl alcohol

Concen: 4.551 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.30 min

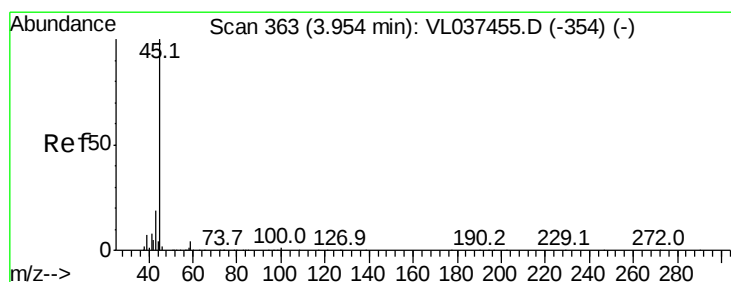
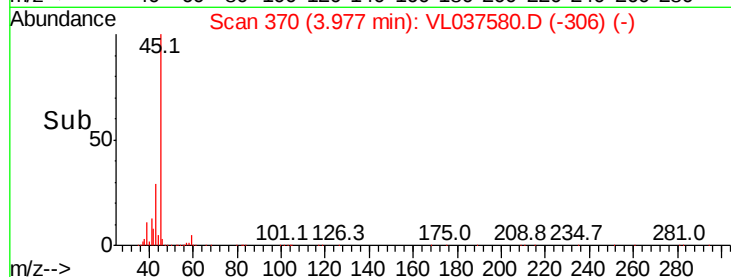
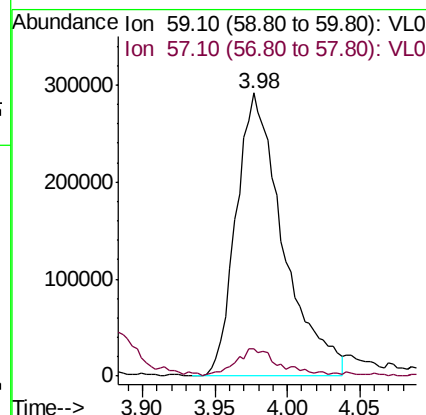
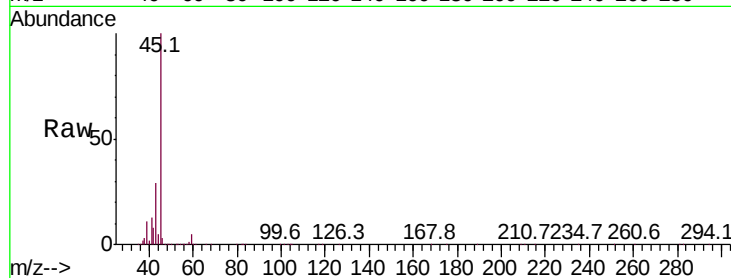
Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

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Tot Ion: 59 Resp: 655678

Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.3	12.5



#19

Isopropyl Alcohol

Concen: 173.580 ppbv

RT: 3.98 min Scan# 370

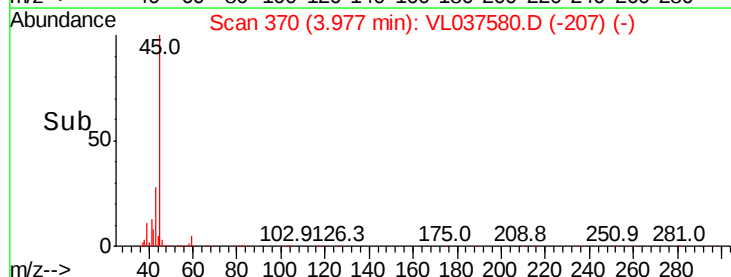
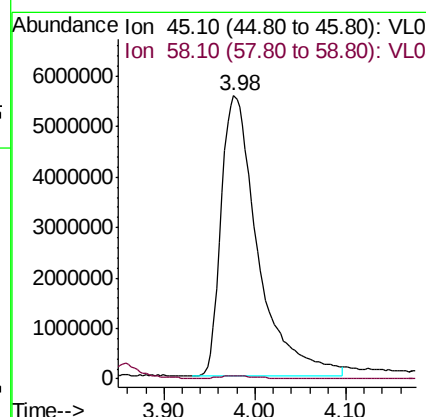
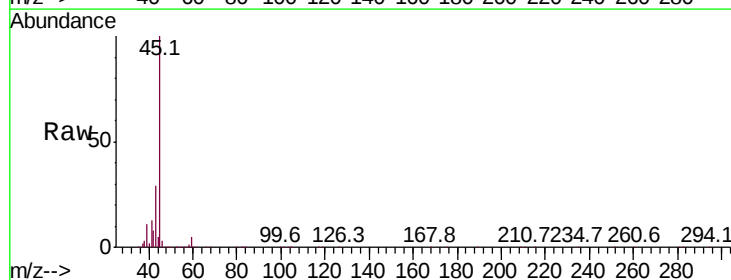
Delta R.T. 0.02 min

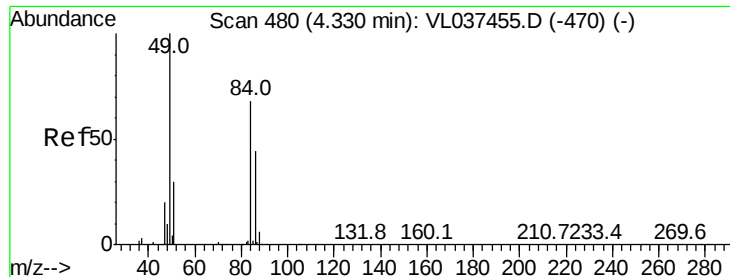
Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

Tgt Ion: 45 Resp: 15682272

Ion	Ratio	Lower	Upper
45	100		
58	1.2	1.4	2.2#

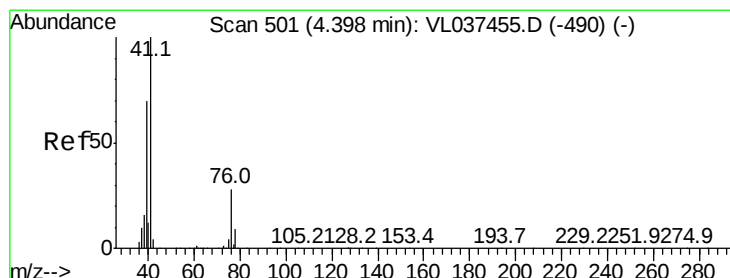
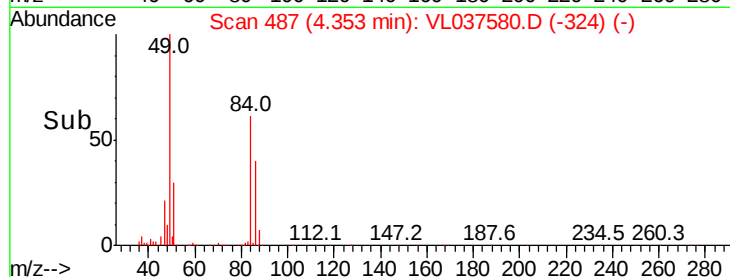
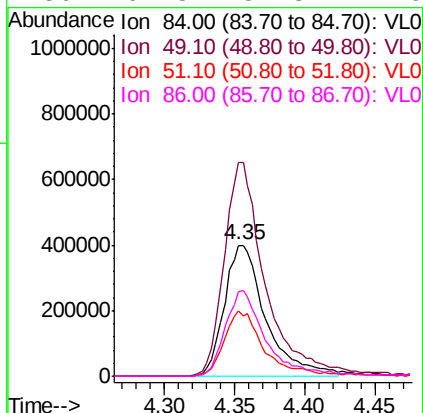
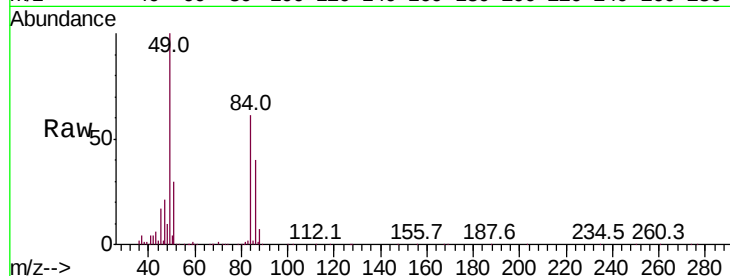




#20
Methylene Chloride
Concen: 10.373 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.02 min
Lab File: VL037580.D
Acq: 8 Sep 2021 20:31

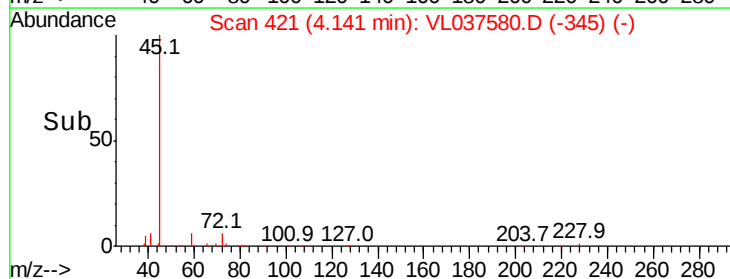
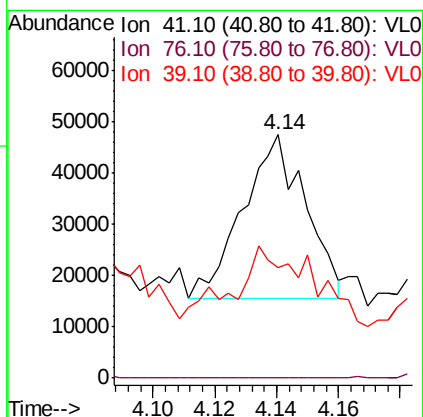
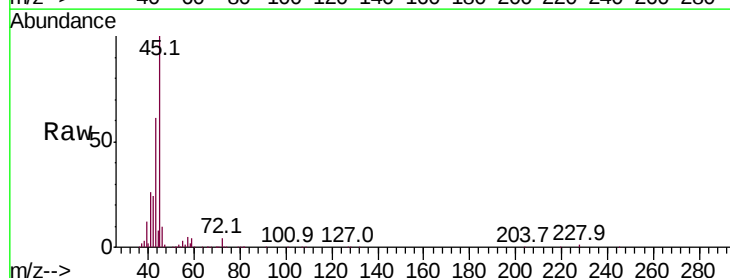
Instrument :
MSVOA_L
ClientSampled :
IA-2

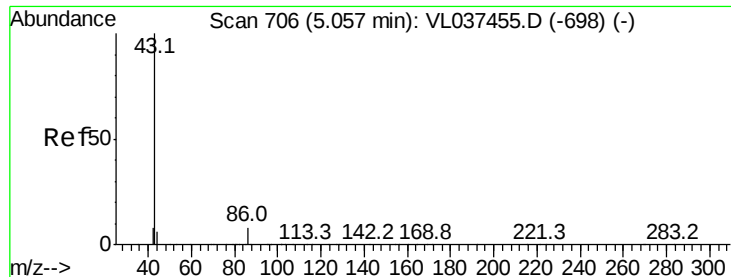
Tot Ion:	84	Resp:	819003
Ion	Ratio	Lower	Upper
84	100		
49	162.8	118.2	177.2
51	49.1	36.6	55.0
86	64.8	51.8	77.6



#21
Allyl Chloride
Concen: 0.348 ppbv
RT: 4.14 min Scan# 421
Delta R.T. -0.26 min
Lab File: VL037580.D
Acq: 8 Sep 2021 20:31

Tgt Ion:	41	Resp:	44599
Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.8	32.6#
39	142.6	56.8	85.2#

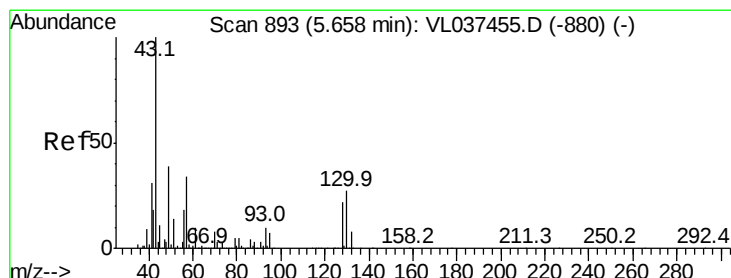
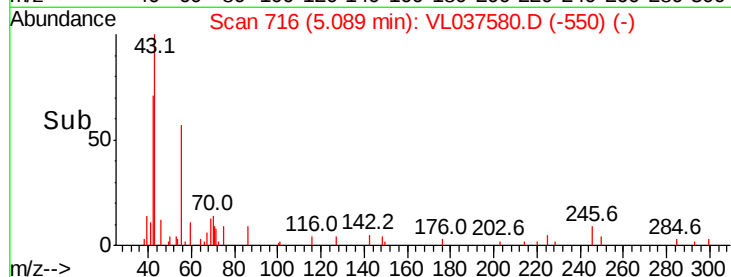
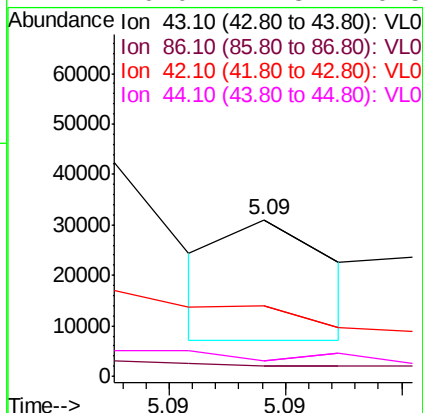
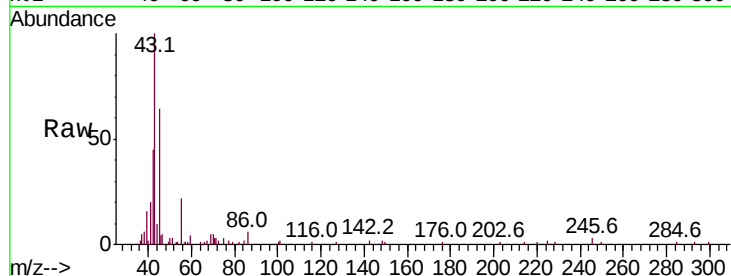




#23
Vinvl Acetate
Concen: 0.033 ppbv
RT: 5.09 min Scan# 716
Delta R.T. 0.03 min
Lab File: VL037580.D
Acq: 8 Sep 2021 20:31

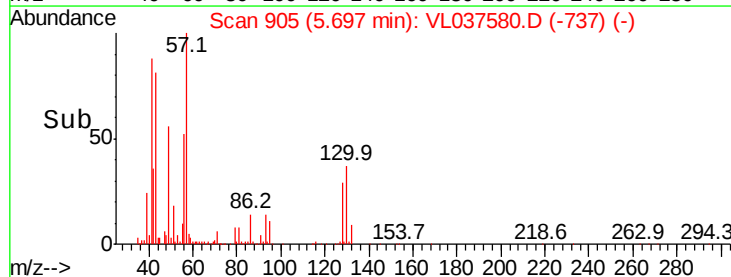
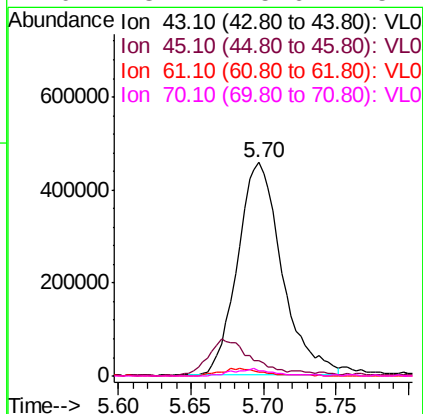
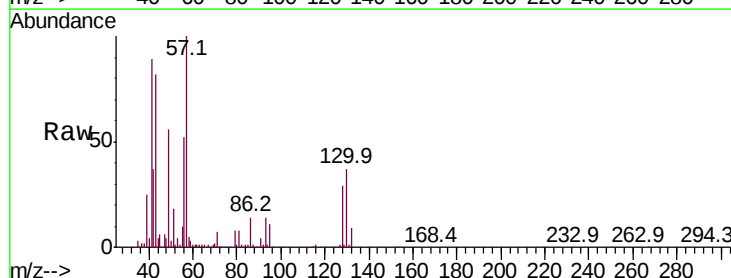
Instrument :
MSVOA_L
ClientSampleId :
IA-2

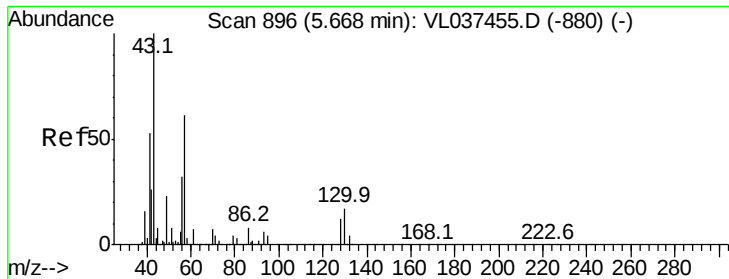
Tot Ion:	43	Resp:	7595
Ion	Ratio	Lower	Upper
43	100		
86	0.5	5.7	8.5#
42	48.5	7.4	11.2#
44	0.0	4.3	6.5#



#25
Ethyl Acetate
Concen: 2.443 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.04 min
Lab File: VL037580.D
Acq: 8 Sep 2021 20:31

Tgt Ion:	43	Resp:	978069
Ion	Ratio	Lower	Upper
43	100		
45	17.3	8.0	12.0#
61	3.8	8.0	12.0#
70	3.7	5.6	8.4#



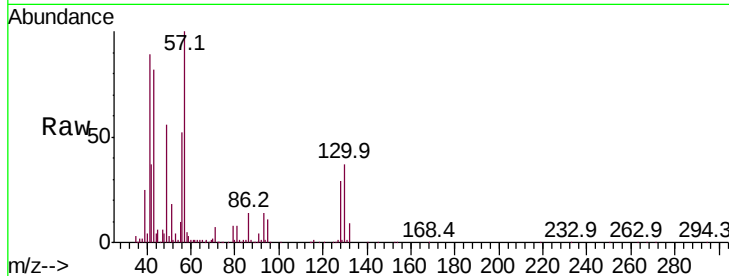


#26
Hexane
Concen: 5.684 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.03 min
Lab File: VL037580.D
Acq: 8 Sep 2021 20:31

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tot Ion: 57 Resp: 1112627

Ion	Ratio	Lower	Upper
57	100		
41	90.5	72.3	108.5
43	92.3	172.3	258.5#
56	53.8	42.8	64.2



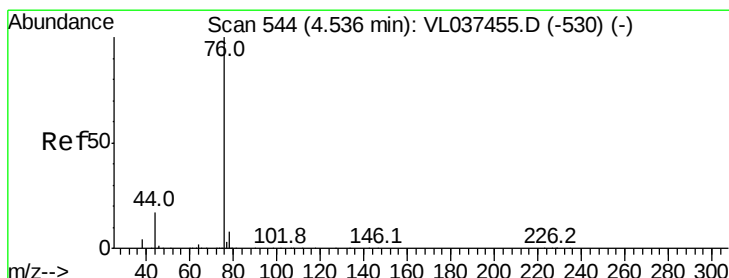
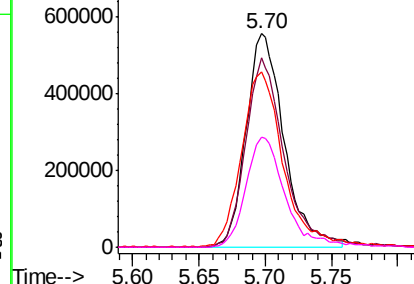
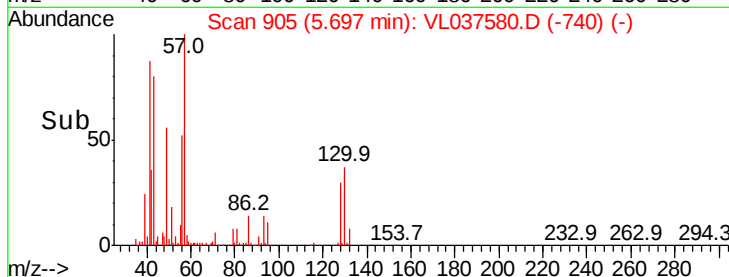
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

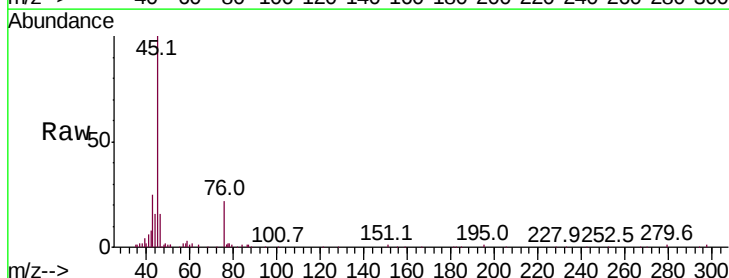
Ion 56.10 (55.80 to 56.80): VL0



#27
Carbon Disulfide
Concen: 0.171 ppbv
RT: 4.56 min Scan# 550
Delta R.T. 0.02 min
Lab File: VL037580.D
Acq: 8 Sep 2021 20:31

Tgt Ion: 76 Resp: 29916

Ion	Ratio	Lower	Upper
76	100		
44	49.1	13.9	20.9#
78	14.9	7.9	11.9#

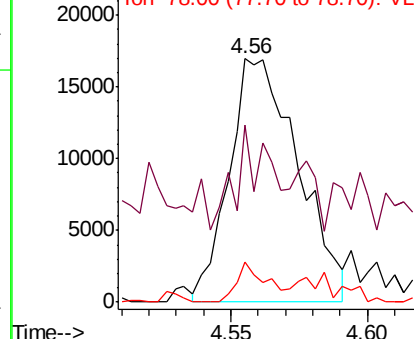
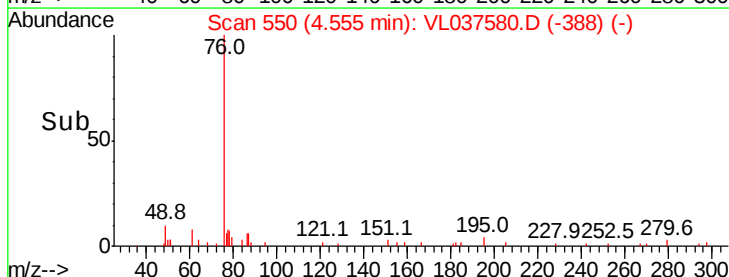


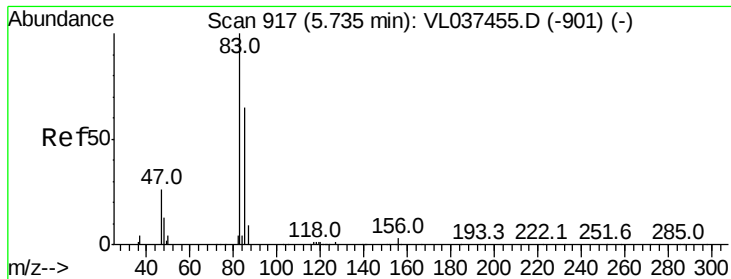
Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

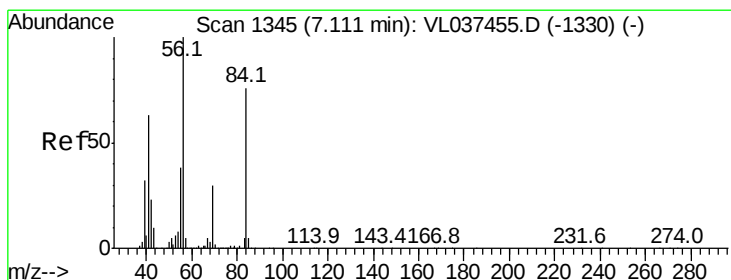
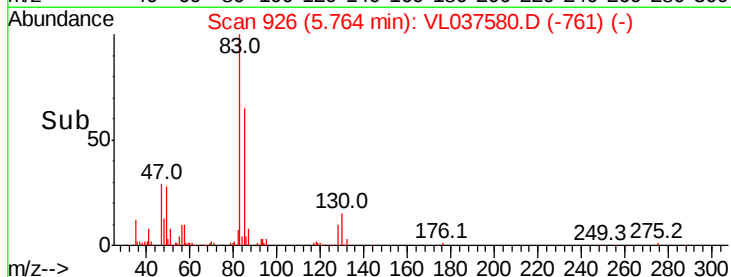
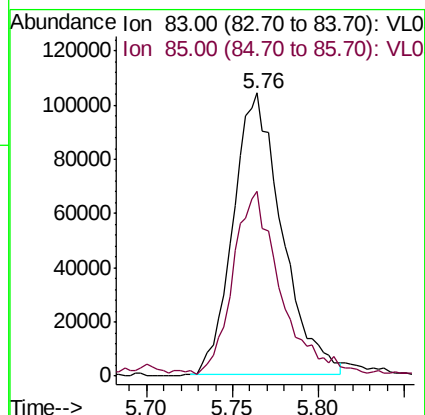
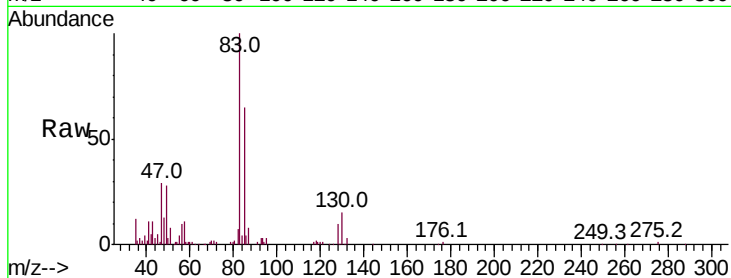




#29
Chloroform
Concen: 0.746 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.03 min
Lab File: VL037580.D
Acq: 8 Sep 2021 20:31

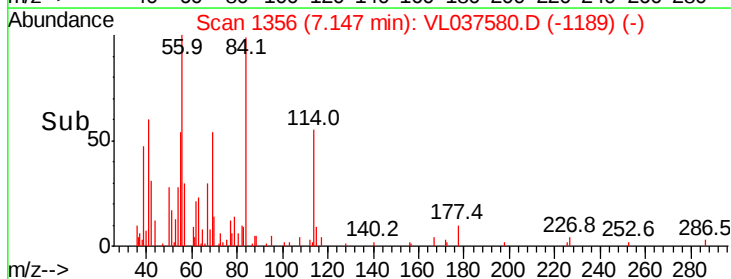
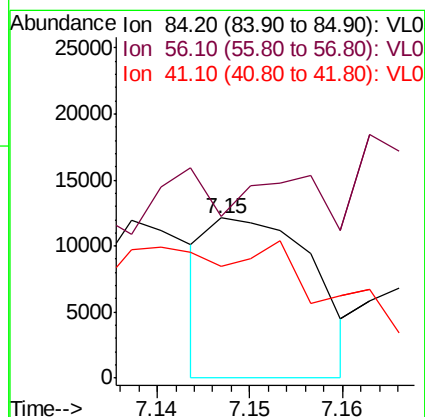
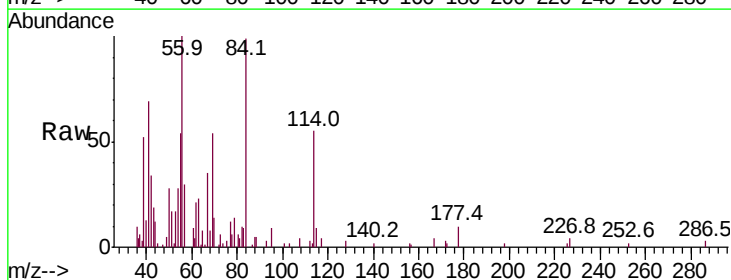
Instrument :
MSVOA_L
ClientSampleId :
IA-2

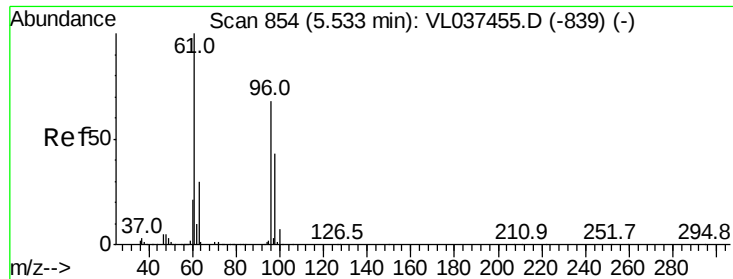
Tot Ion: 83 Resp: 206809
Ion Ratio Lower Upper
83 100
85 63.8 52.3 78.5



#30
Cyclohexane
Concen: 0.058 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.04 min
Lab File: VL037580.D
Acq: 8 Sep 2021 20:31

Tgt Ion: 84 Resp: 9447
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 306.0 67.0 100.6#





#31

cis-1,2-Dichloroethene

Concen: 0.049 ppbv

RT: 5.56 min Scan# 863

Delta R.T. 0.03 min

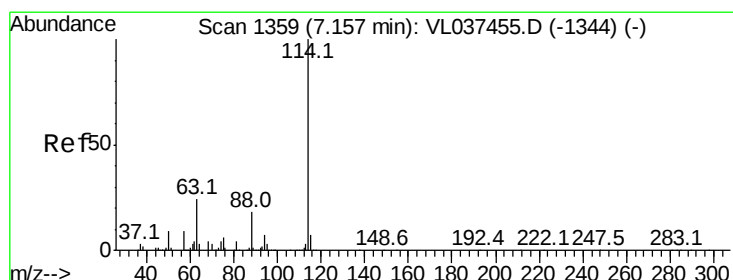
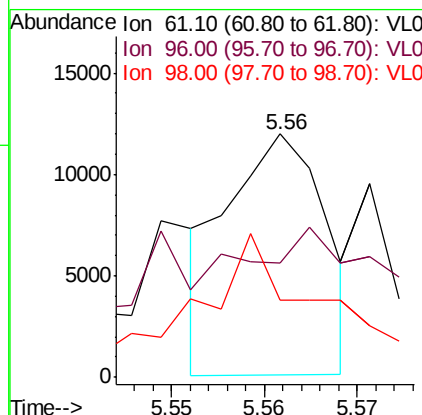
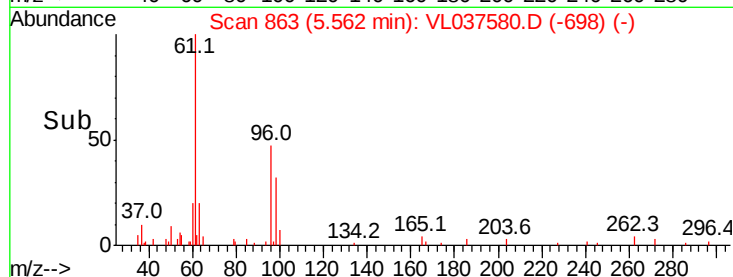
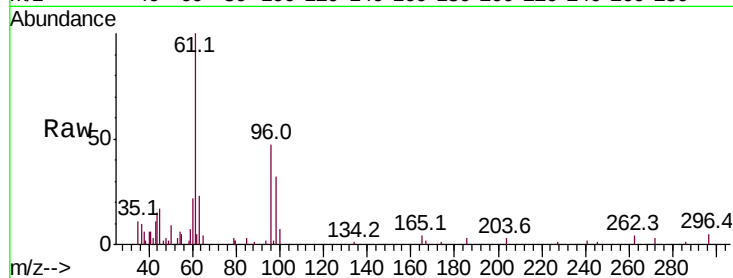
Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tot Ion: 61 Resp: 8721

Ion	Ratio	Lower	Upper
61	100		
96	21.1	54.8	82.2#
98	0.0	34.2	51.2#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

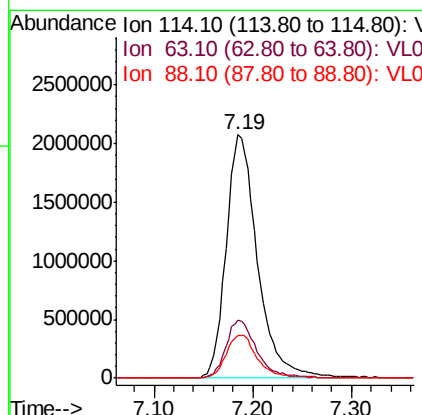
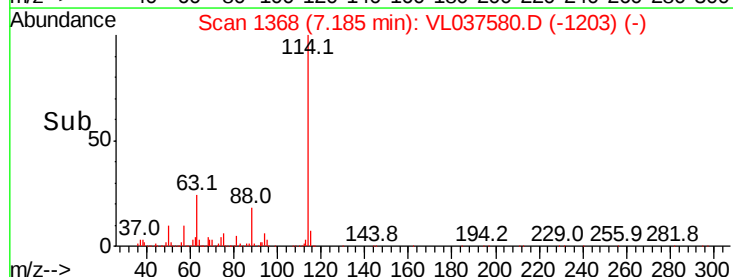
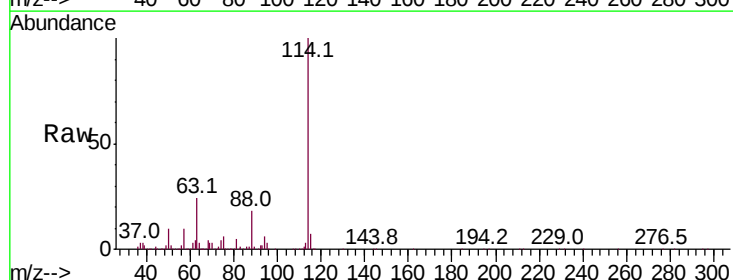
Delta R.T. 0.03 min

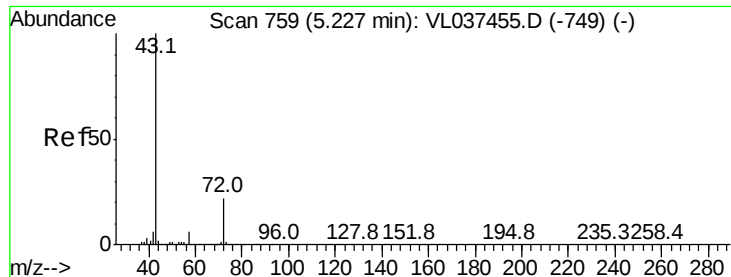
Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

Tgt Ion: 114 Resp: 4592641

Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.3	28.9
88	17.9	14.2	21.4

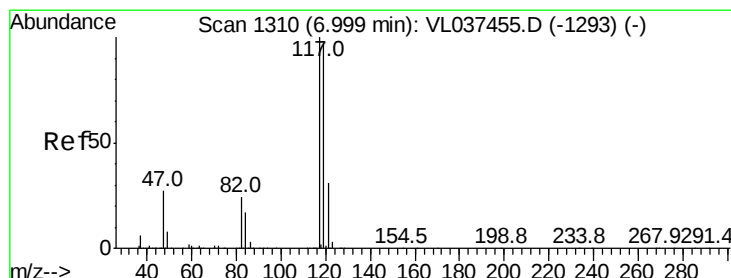
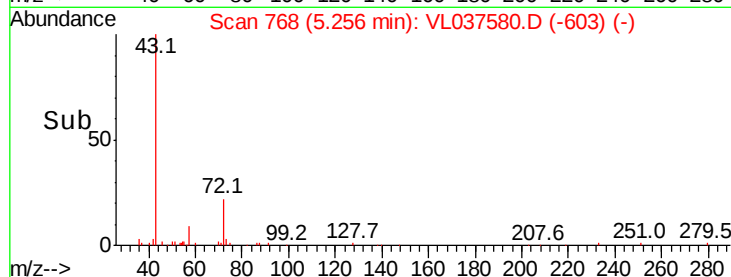
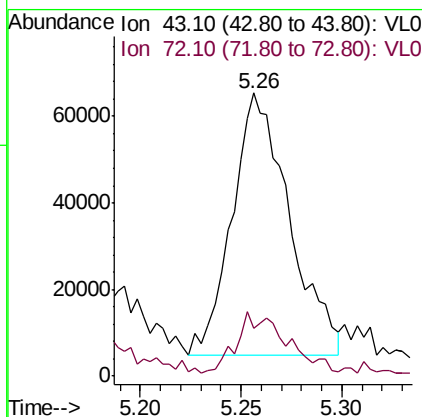
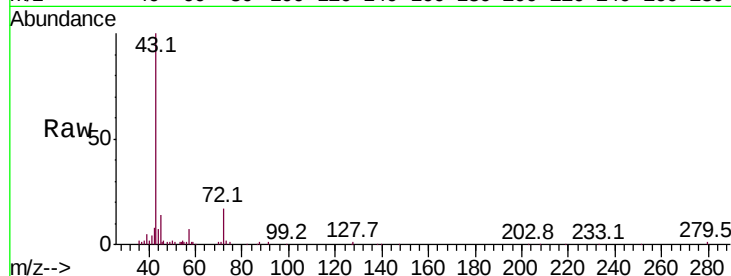




#34
2-Butanone
Concen: 0.640 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.03 min
Lab File: VL037580.D
Acq: 8 Sep 2021 20:31

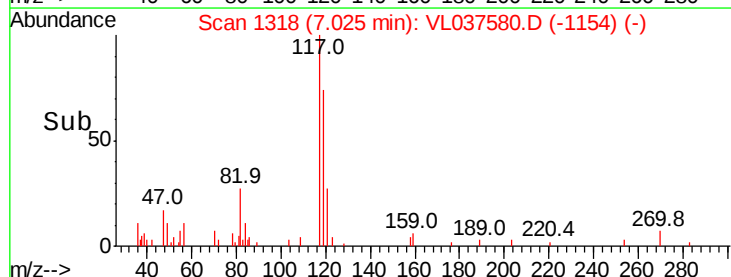
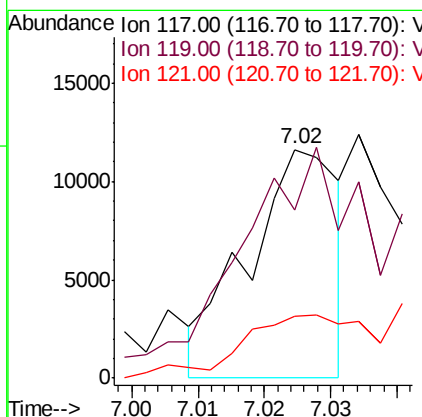
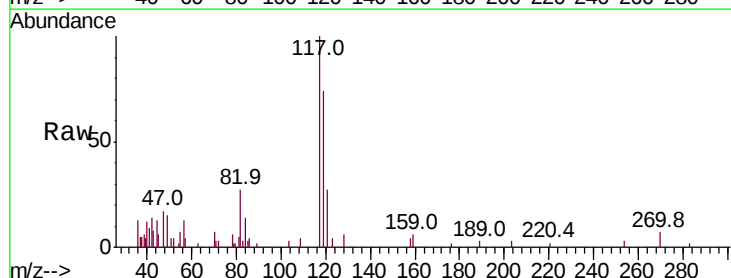
Instrument :
MSVOA_L
ClientSampleId :
IA-2

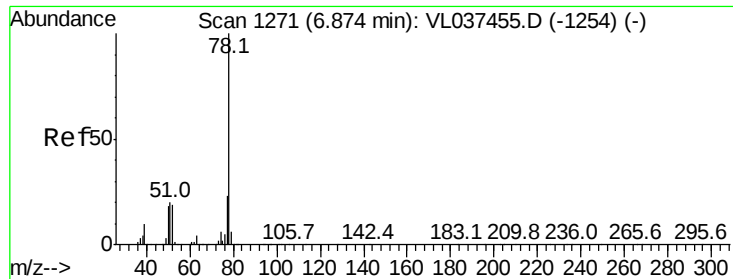
Tot Ion: 43 Resp: 119936
Ion Ratio Lower Upper
43 100
72 25.2 17.4 26.0



#35
Carbon Tetrachloride
Concen: 0.041 ppbv
RT: 7.02 min Scan# 1318
Delta R.T. 0.03 min
Lab File: VL037580.D
Acq: 8 Sep 2021 20:31

Tgt Ion: 117 Resp: 11032
Ion Ratio Lower Upper
117 100
119 74.9 77.3 115.9#
121 29.1 25.2 37.8





#36

Benzene

Concen: 0.261 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.03 min

Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

Instrument :

MSVOA_L

ClientSampleId :

IA-2

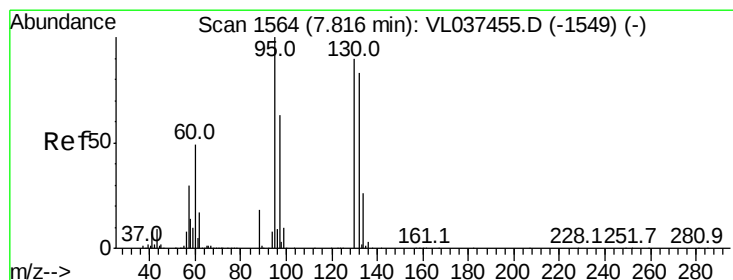
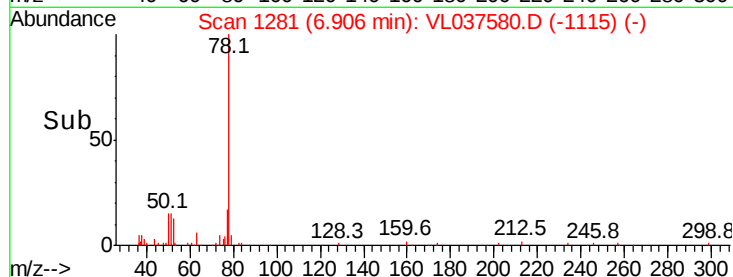
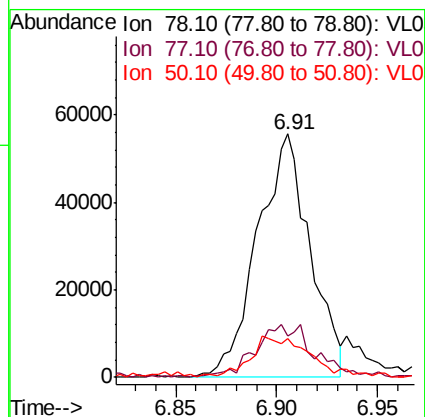
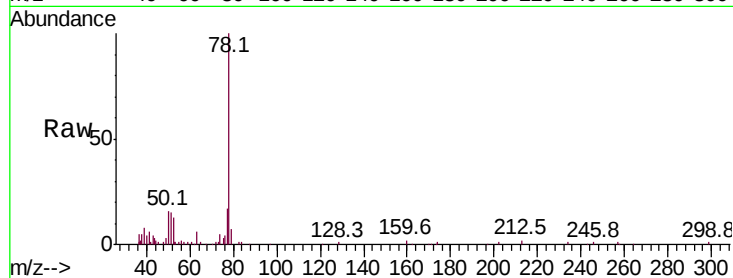
Tot Ion: 78 Resp: 100686

Ion Ratio Lower Upper

78 100

77 17.2 18.2 27.4#

50 14.6 14.6 21.8



#38

Trichloroethene

Concen: 0.062 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.04 min

Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

Tgt Ion: 130 Resp: 9871

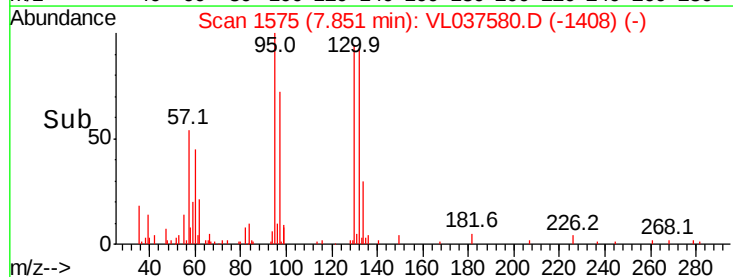
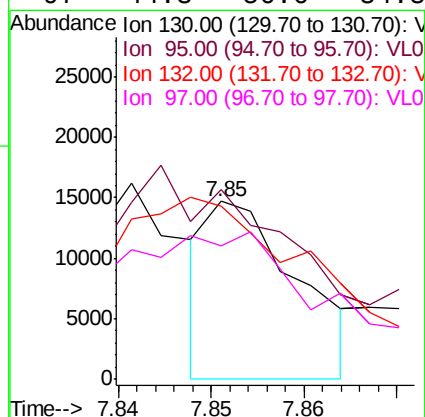
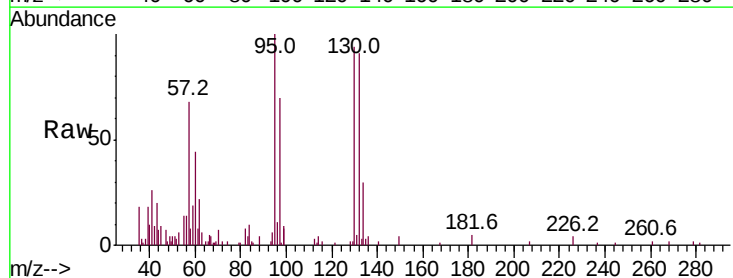
Ion Ratio Lower Upper

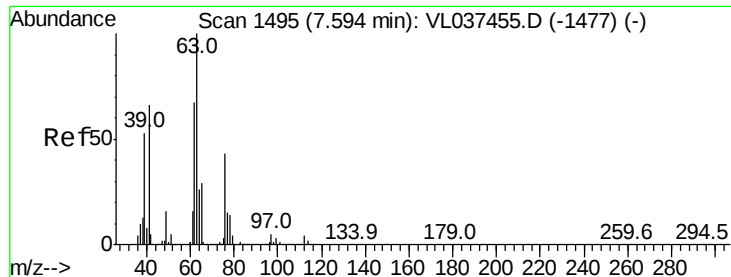
130 100

95 99.0 89.2 133.8

132 71.7 74.0 111.0#

97 44.3 56.6 84.8#





#39

1,2-Dichloropropane

Concen: 7.214 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.41 min

Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

Instrument :

MSVOA_L

ClientSampleId :

IA-2

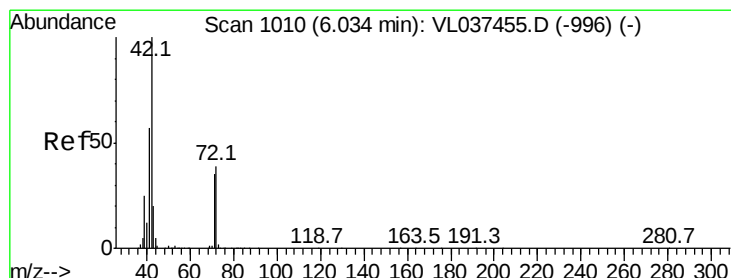
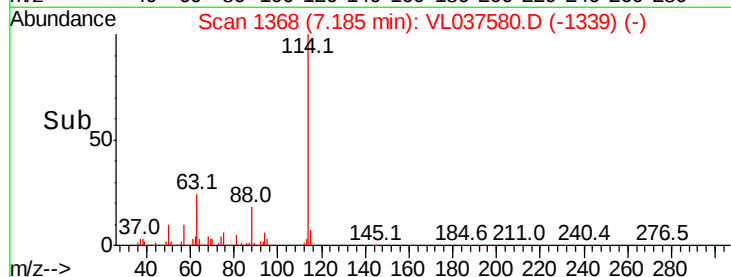
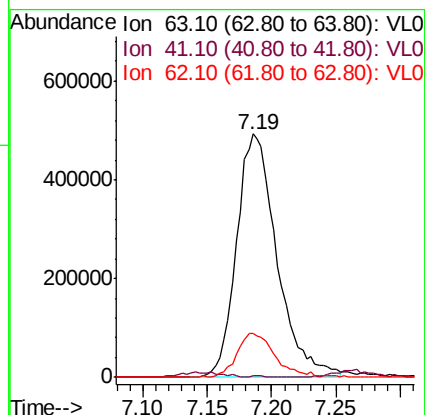
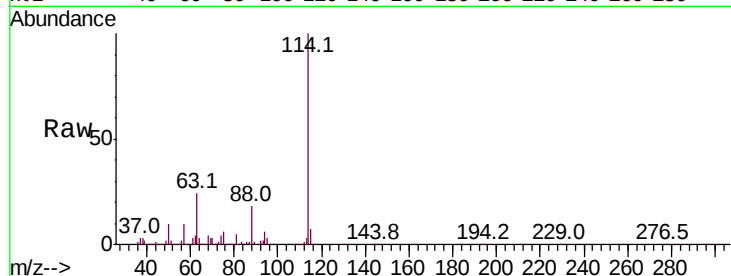
Tot Ion: 63 Resp: 1070203

Ion Ratio Lower Upper

63 100

41 0.0 52.4 78.6#

62 17.9 53.6 80.4#



#41

Tetrahydrofuran

Concen: 4.808 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.33 min

Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

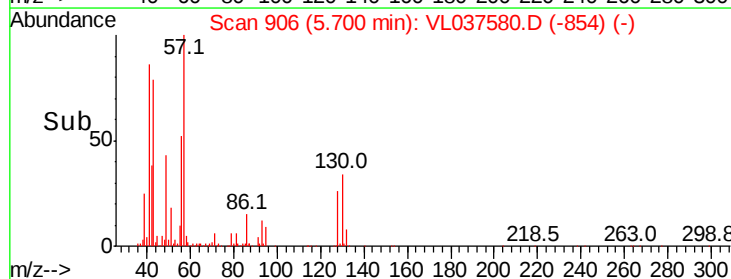
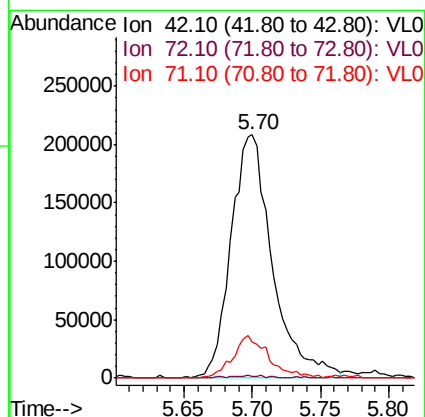
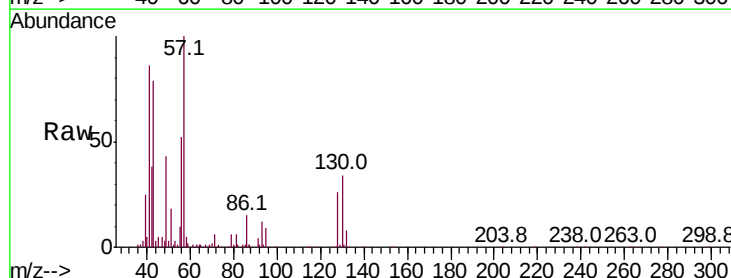
Tgt Ion: 42 Resp: 434330

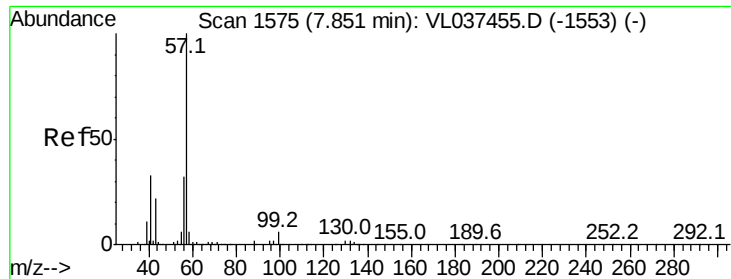
Ion Ratio Lower Upper

42 100

72 1.1 32.2 48.4#

71 16.2 30.5 45.7#

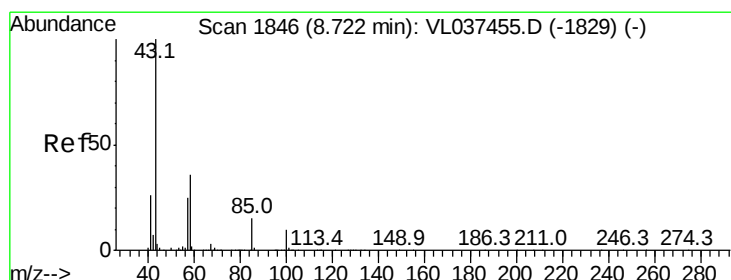
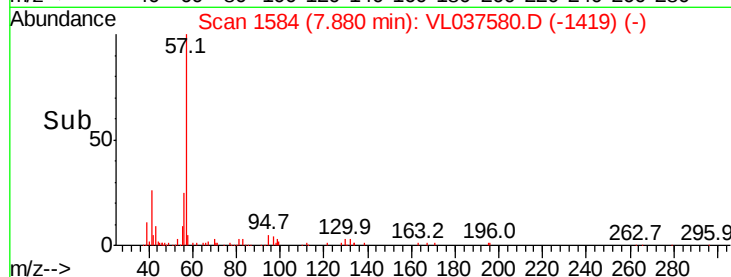
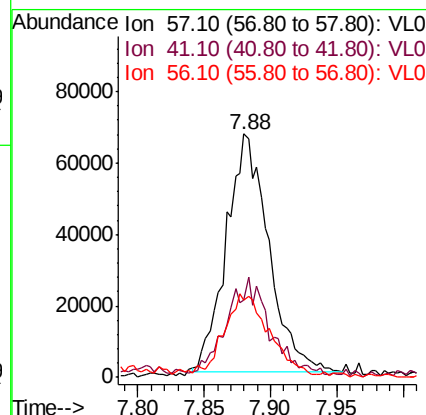
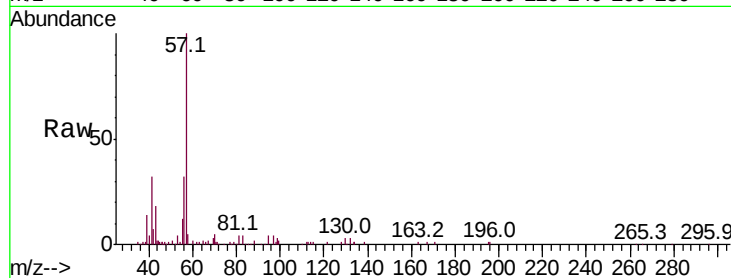




#44
 2,2,4-Trimethylpentane
 Concen: 0.227 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.03 min
 Lab File: VL037580.D
 Acq: 8 Sep 2021 20:31

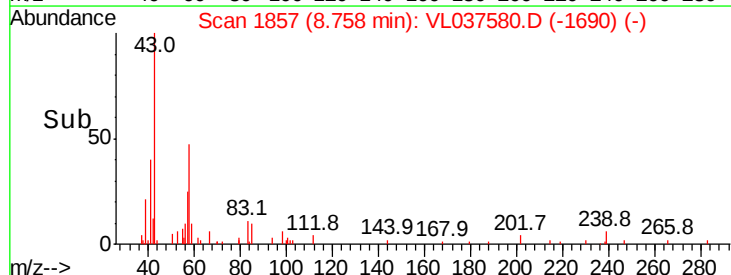
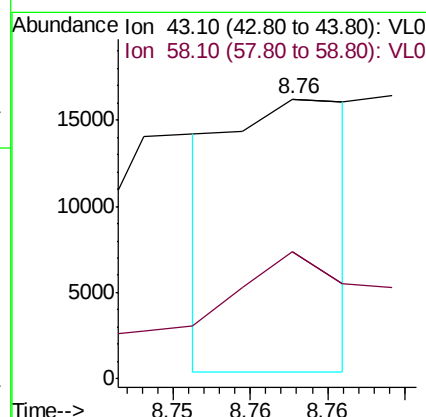
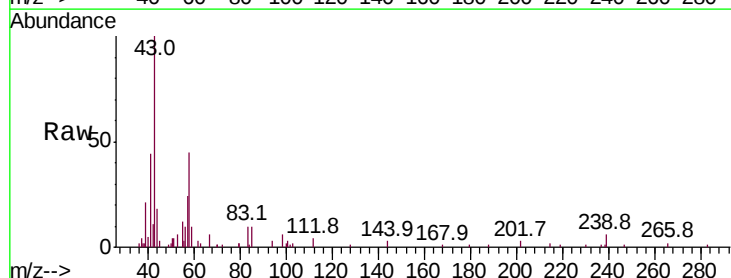
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

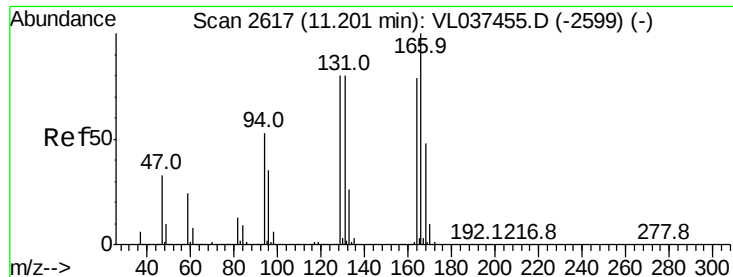
Tot Ion: 57 Resp: 147637
 Ion Ratio Lower Upper
 57 100
 41 44.8 26.2 39.4#
 56 40.5 25.4 38.2#



#50
 4-Methyl-2-Pentanone
 Concen: 0.036 ppbv
 RT: 8.76 min Scan# 1857
 Delta R.T. 0.04 min
 Lab File: VL037580.D
 Acq: 8 Sep 2021 20:31

Tgt Ion: 43 Resp: 8784
 Ion Ratio Lower Upper
 43 100
 58 179.3 29.9 44.9#





#52

Tetrachloroethene

Concen: 2.261 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. 0.03 min

Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tot Ion:164 Resp: 357653

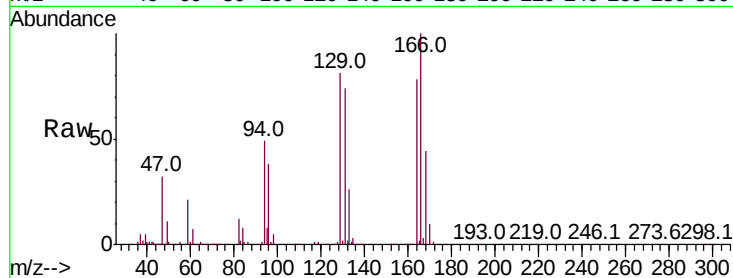
Ion Ratio Lower Upper

164 100

166 128.8 100.7 151.1

129 103.9 80.9 121.3

131 94.7 80.2 120.4

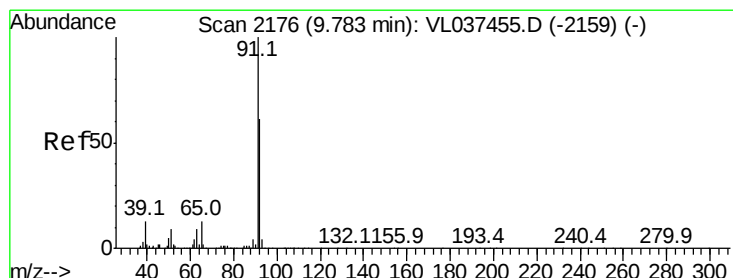
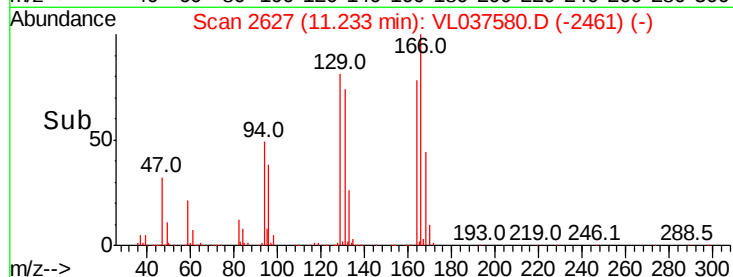
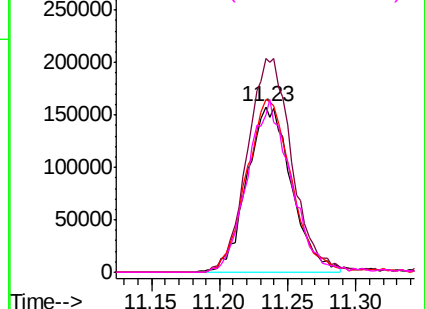


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.911 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.03 min

Lab File: VL037580.D

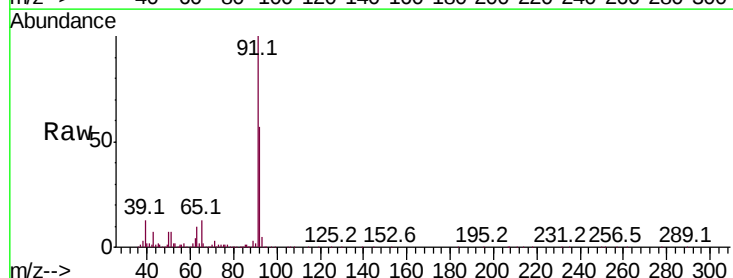
Acq: 8 Sep 2021 20:31

Tgt Ion: 91 Resp: 842657

Ion Ratio Lower Upper

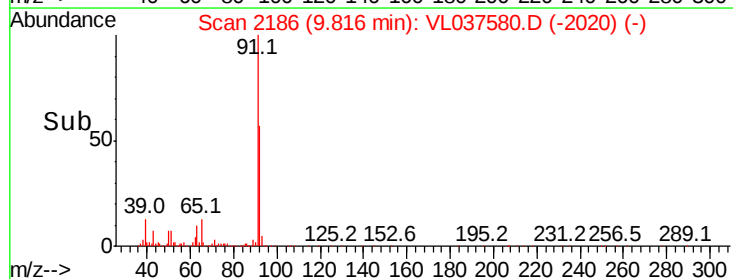
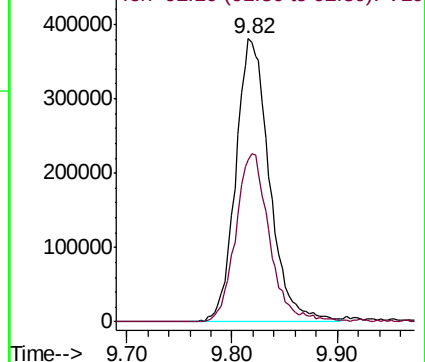
91 100

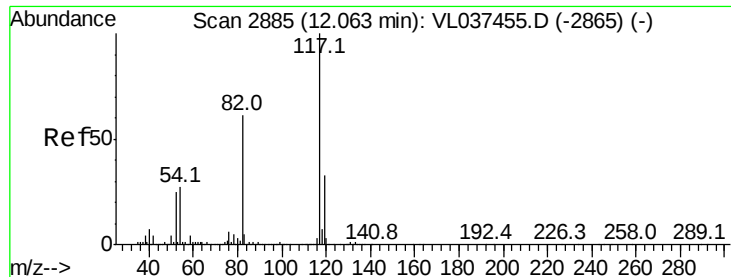
92 60.3 48.8 73.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

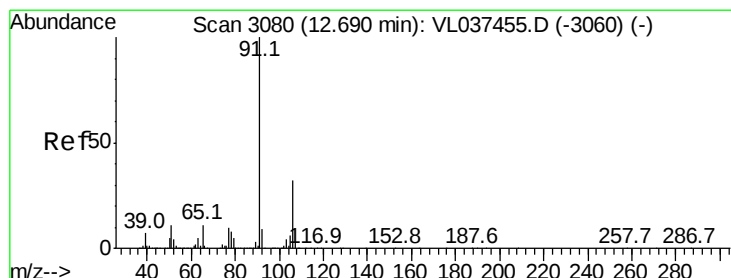
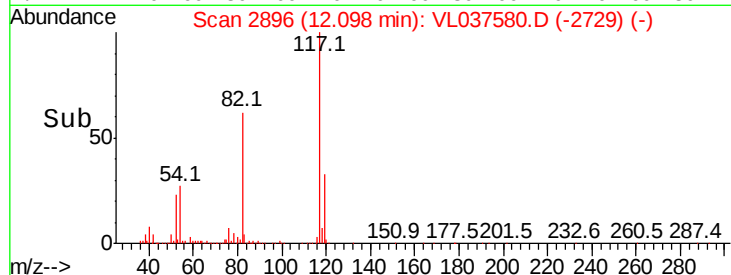
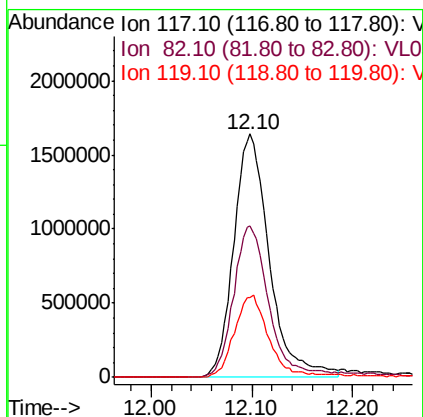
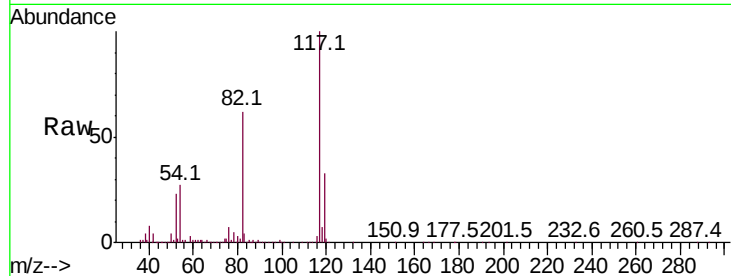




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.04 min
Lab File: VL037580.D
Acq: 8 Sep 2021 20:31

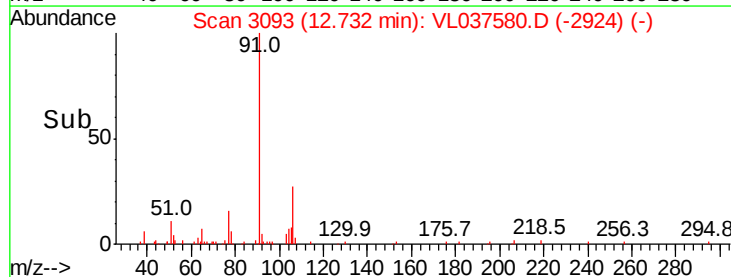
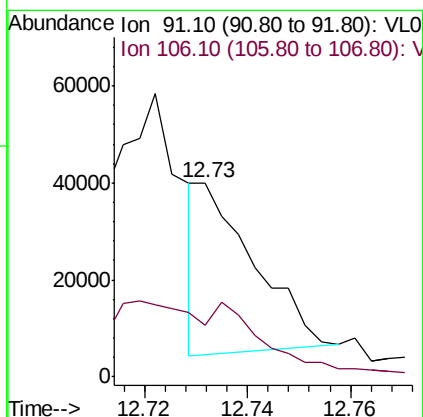
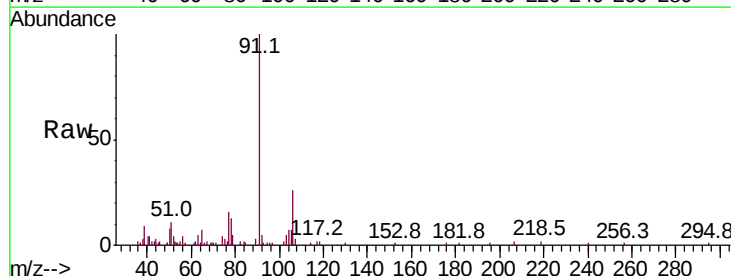
Instrument :
MSVOA_L
ClientSampleId :
IA-2

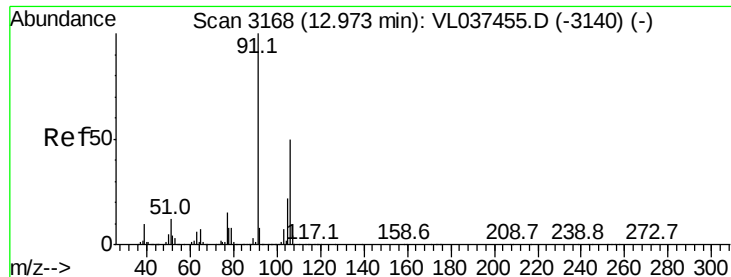
Tot Ion:117 Resp: 4026496
Ion Ratio Lower Upper
117 100
82 66.1 52.9 79.3
119 33.5 24.8 37.2



#58
Ethyl Benzene
Concen: 0.047 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.04 min
Lab File: VL037580.D
Acq: 8 Sep 2021 20:31

Tgt Ion: 91 Resp: 26427
Ion Ratio Lower Upper
91 100
106 26.9 25.7 38.5





#59

m/p-Xylene

Concen: 0.171 ppbv

RT: 13.01 min Scan# 3180

Delta R.T. 0.04 min

Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

Instrument :

MSVOA_L

ClientSampled :

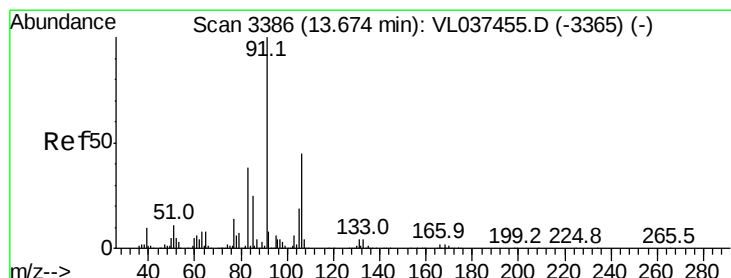
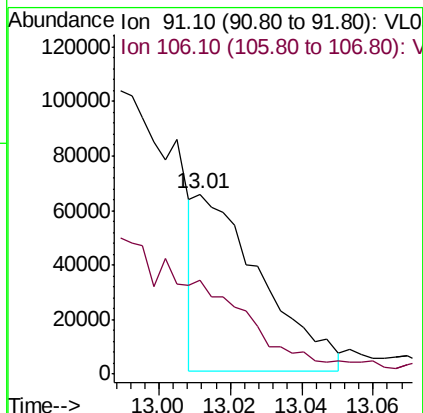
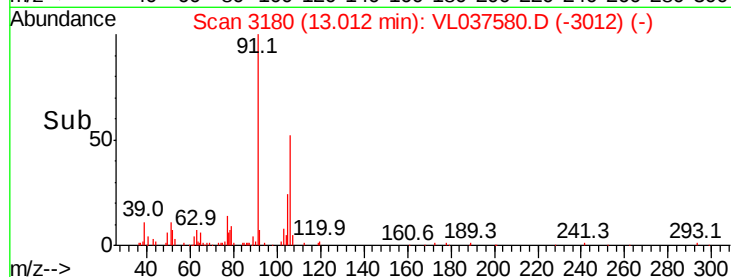
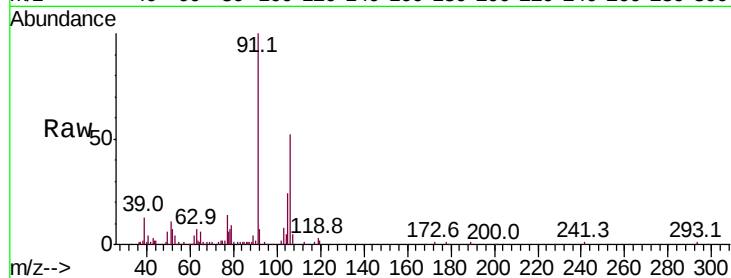
IA-2

Tot Ion: 91 Resp: 82690

Ion Ratio Lower Upper

91 100

106 0.0 36.9 55.3#



#60

o-Xylene

Concen: 0.093 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. 0.04 min

Lab File: VL037580.D

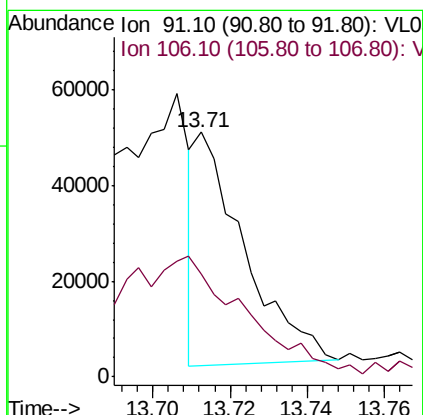
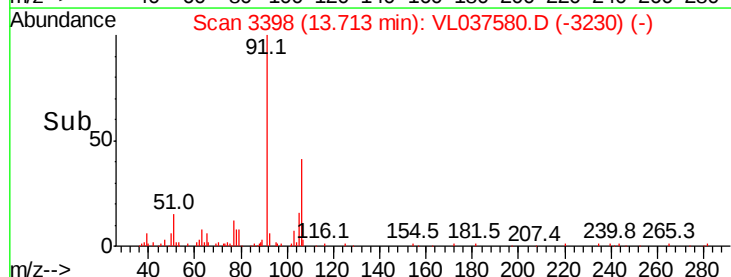
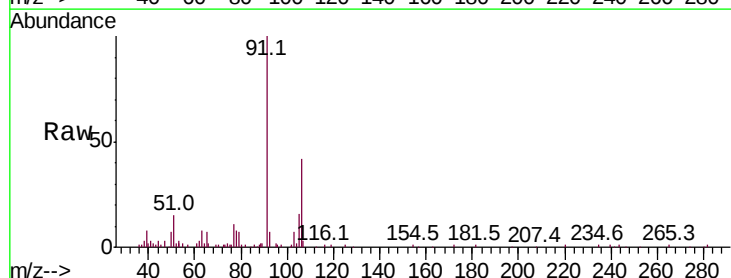
Acq: 8 Sep 2021 20:31

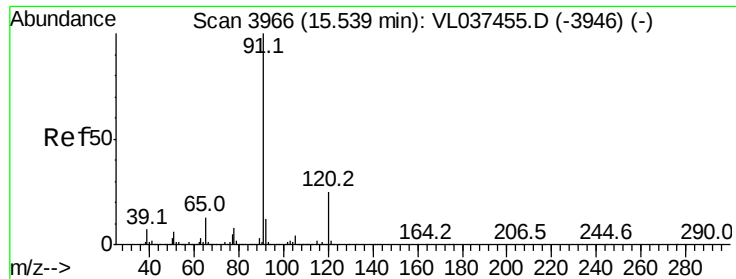
Tgt Ion: 91 Resp: 42205

Ion Ratio Lower Upper

91 100

106 154.8 23.7 71.1#





#64

n-propylbenzene

Concen: 0.035 ppbv

RT: 15.78 min Scan# 4040

Delta R.T. 0.24 min

Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

Instrument :

MSVOA_L

ClientSampled :

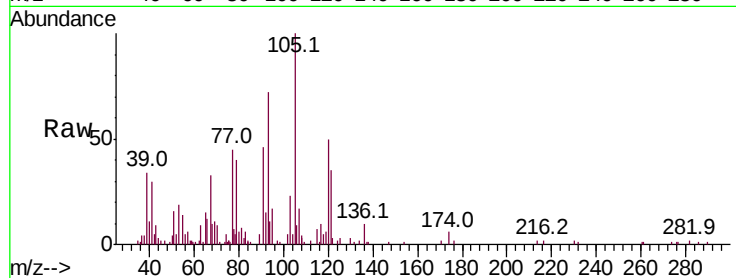
IA-2

Tot Ion:120 Resp: 5637

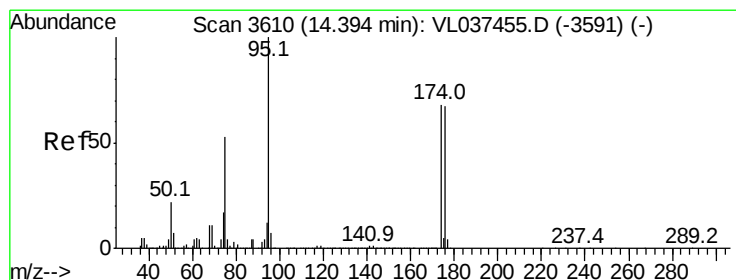
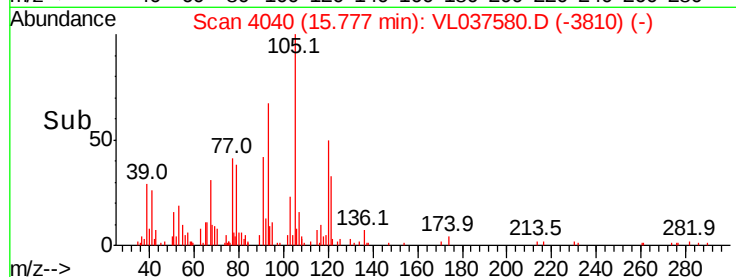
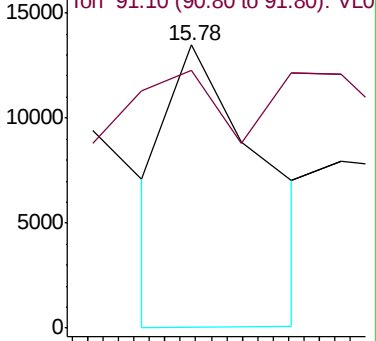
Ion Ratio Lower Upper

120 100

91 513.4 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.940 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.03 min

Lab File: VL037580.D

Acq: 8 Sep 2021 20:31

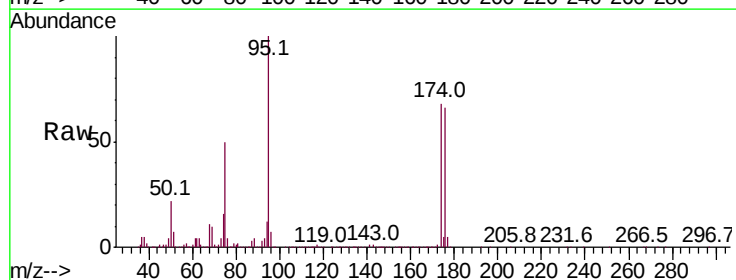
Tgt Ion: 95 Resp: 2843417

Ion Ratio Lower Upper

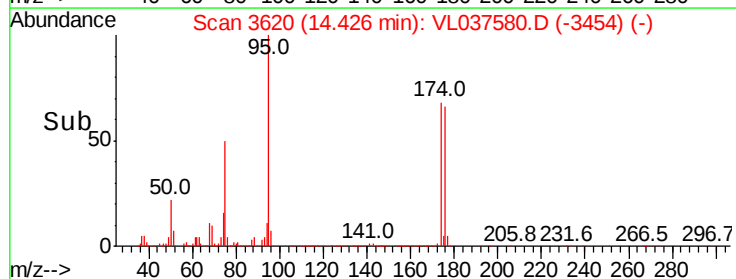
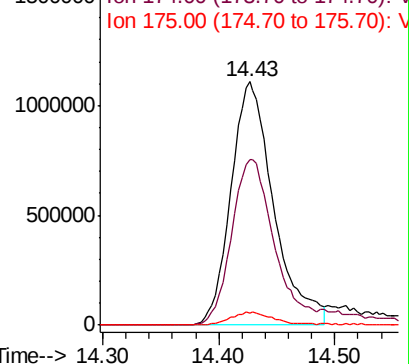
95 100

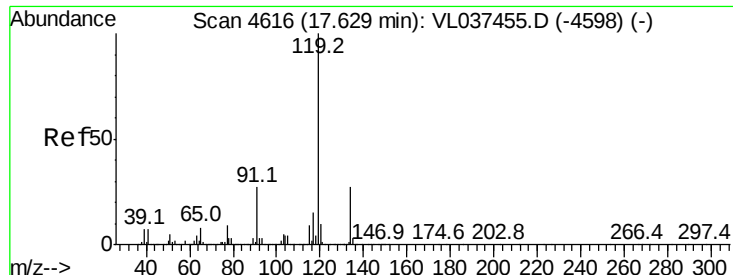
174 76.8 59.6 89.4

175 6.0 4.6 7.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

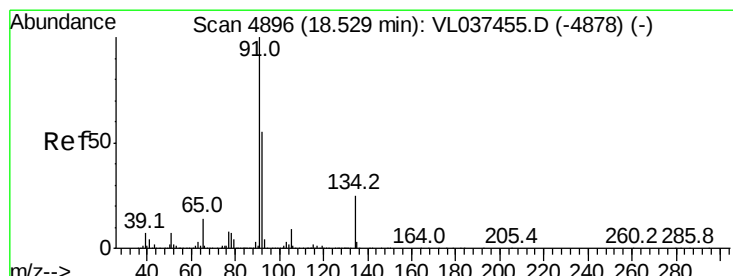
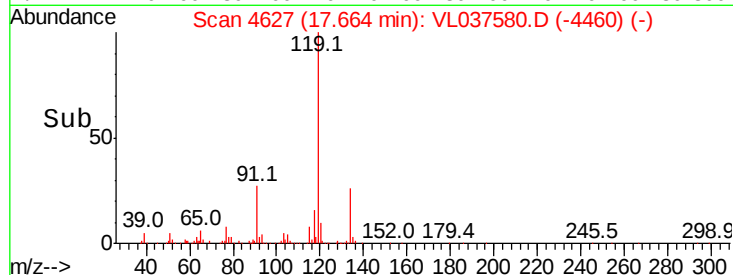
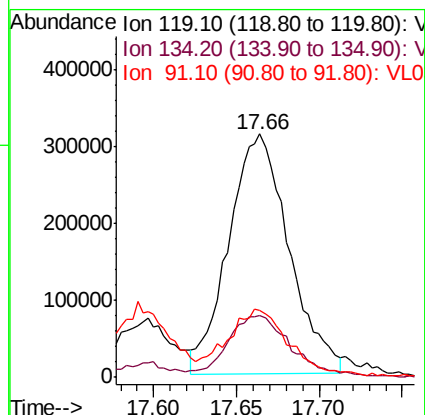
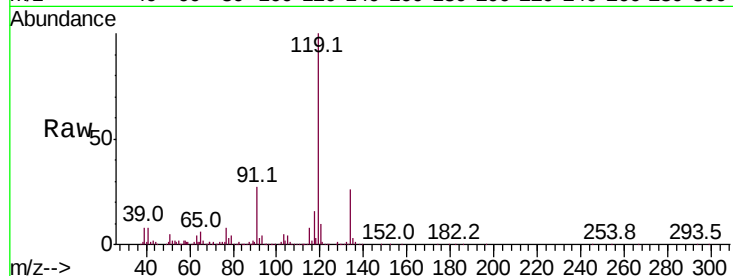




#69
 p-Isopropyltoluene
 Concen: 1.198 ppbv
 RT: 17.66 min Scan# 4627
 Delta R.T. 0.04 min
 Lab File: VL037580.D
 Acq: 8 Sep 2021 20:31

Instrument :
 MSVOA_L
 ClientSampled :
 IA-2

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.6	21.1	31.7
91	30.0	22.4	33.6



#70
 n-Butylbenzene
 Concen: 0.463 ppbv
 RT: 18.71 min Scan# 4952
 Delta R.T. 0.18 min
 Lab File: VL037580.D
 Acq: 8 Sep 2021 20:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	36.9	44.0	66.0#
134	26.6	19.5	29.3

